



STIC Search Report

EIC 3600

STIC Database Tracking Number: 205397

TO: Nga B Nguyen
Location: KNX 05 A695A89
Art Unit : 3692

From: Paul Obiniyi
Location: EIC 3600
KNX 4B68 RM4B59
Phone: 27734

Case Serial Number: 09/201475

paul.obiniyi@uspto.gov

Search Notes

Dear Examiner Nguyen,

Attached please find the results of your search. Please feel free to contact me if you have additional questions or would like a re-focus search. Thank you and have a great day.

Paul

Griffin, Etelka

86

205597

From: NGA NGUYEN [nga.nguyen@uspto.gov]
Sent: Tuesday, October 24, 2006 2:50 PM
To: STIC-EIC3600
Subject: Database Search Request, Serial Number: 09/201,475

Requester:
NGA NGUYEN (P/3692)
Art Unit:
GROUP ART UNIT 3692
Employee Number:
76428
Office Location:
KNX 05A89
Phone Number:
(571)272-6796
Mailbox Number:

Case serial number:
09/201,475
Class / Subclass(es):
705/1
Earliest Priority Filing Date:
8/13/1998
Format preferred for results:
Paper

Search Topic Information:

A method of measuring a rate of encoding for digital content, comprising:
calculating a measured rate of encoding using the selected sample and the predetermined
period of time, so as to provide an interim rate of completion for a subsequent process of
encoding the content with the algorithm and the bit rate which has been selected.
Special Instructions and Other Comments:





STIC Search Results Feedback Form

EIC 3600

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Karen Lehman, EIC 3600 Team Leader
KNX 4A58, 571-271-3496

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 3620 (optional)

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC3600 PK5 Suite 804



? show files; ds; save temp; logoff hold

File 15:ABI/Inform(R) 1971-2006/Nov 02
(c) 2006 ProQuest Info&Learning

File 9:Business & Industry(R) Jul/1994-2006/Nov 02
(c) 2006 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2006/Nov 03
(c) 2006 The Gale Group

File 621:Gale Group New Prod. Annou. (R) 1985-2006/Nov 02
(c) 2006 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2006/Nov 03
(c) 2006 The Gale Group

File 16:Gale Group PROMT(R) 1990-2006/Nov 03
(c) 2006 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2006/Nov 03
(c) 2006 The Gale Group

File 610:Business Wire 1999-2006/Nov 03
(c) 2006 Business Wire.

File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 476:Financial Times Fulltext 1982-2006/Nov 03
(c) 2006 Financial Times Ltd

File 624:McGraw-Hill Publications 1985-2006/Nov 02
(c) 2006 McGraw-Hill Co. Inc

File 634:San Jose Mercury Jun 1985-2006/Nov 02
(c) 2006 San Jose Mercury News

File 20:Dialog Global Reporter 1997-2006/Nov 03
(c) 2006 Dialog

Set	Items	Description
S1	9101093	(RECORD? ? OR TRACK??? OR MONITOR??? OR MEASUR??? OR MEASUREMENT? ? OR METER??? OR COUNT??? OR QUANTIF? OR GAUG??? OR CALCULAT??? OR CALCULAT??? OR COMPUTE OR COMPUTES OR COMPUTING OR DETERMIN? OR ESTIMAT??? OR ADD??? OR SUM?) (7N) (VALUE? ? OR RATE? ? OR
S2	6797456	(ELECTRONIC? ? OR DIGITAL OR E OR COMPUTER? ?) (7N) (CONTENT? ? OR DATA OR FILE? ? OR MEDIA OR GAME? ? OR CONTENT? ? OR MUSIC? ? OR FILM? ? OR MOVIE? ? OR SOFTWARE? ? OR SHOW? OR PROGRAM? OR FILM? ?)
S3	251259	S2(7N) (ENCOD? OR ENCRYPT? OR ENCOD??? OR ENC?PHER??? OR SECUR? OR RESTRICT??? OR EMBED?)
S4	39469	SAMPLE(7N) (SELECTION? ? OR CHOSEN OR SELECTED OR SPECIFY? ? OR SPECIFIE? ? OR DESIGNAT??? OR INDICAT??? OR STIPULAT??? OR PICK???)
S5	13846	(PREDEFIN? OR PRE()DEFIN? OR PRE()DETERMIN? OR PREDETERMIN?) (7N) (TIME OR DURATION OR PERIOD OR TIMEFRAME OR TIMESPAN - OR TIME() FRAME OR TIME() SPAN)
S6	7431	INTERIM(3N) RATE? ?
S7	63767	BIT(3N) RATE? ?
S8	27085295	ALGORITHM? ? OR PROGRAM? ? OR SOFTWARE OR PROCESS OR PROCEDURE? ?
S9	3	AU=(MILSTED, K? OR MILSTED K? OR GONG, Q? OR GONG Q?)
S10	0	S9 AND S1
S11	2887	S1(7N) S3
S12	0	S11(7N) S4
S13	1385	S11(7N) S8
S14	2	S13(7N) (S4:S7)
S15	1	S3(7N) S4
S16	1	S15 NOT S14

S17	5	S3(7N)S5
S18	0	S3(7N)S6
S19	155	S3(7N)S7
S20	36	S19(7N)S8
S21	16	RD (unique items)

14/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01479596 01-30584

Ready when you are

Mitchell, Karen; Seoane, Dan; Orubeondo, Ana
InfoWorld v19n31 PP: 64-74 Aug 4, 1997
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 771

...TEXT: Adding video to your intranet is pretty straightforward. You create the material to be used, **encoding** the **digital** images with the **software** designed to help **determine** the **bit rates** for each client you'll use. You create a Web page to post to the...

14/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2006 The Gale Group. All rts. reserv.

05167916 Supplier Number: 47887374 (USE FORMAT 7 FOR FULLTEXT)

Ready when you are

InfoWorld, p064
August 4, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 3935

... Adding video to your intranet is pretty straightforward. You create the material to be used, **encoding** the **digital** images with the **software** designed to help **determine** the **bit rates** for each client you'll use. You create a Web page to post to the...
?

(c) 2006 Business Wire. All rts. reserv.

0001052457 ID007A3506B8A11D8B223D7690D0CB65C (USE FORMAT 7 FOR FULLTEXT)
**ObjectVideo Receives National Science Foundation Grant to Research
'Environment Learning' Capability for Intelligent Video Surveillance**
Business Wire
Monday, March 1, 2004 T13:01:00Z
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 636

...Today, ObjectVideo's VEW product runs all objects in a camera's view in
real **time** against rules **pre - defined** and pre- **programmed** into a
computer by a **security** professional. When an object violates a rule, for
example, a small boat loiters next to...

17/3,K/5 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2006 Dialog. All rts. reserv.

06833365 (USE FORMAT 7 OR 9 FOR FULLTEXT)
India: Hey, look who else is reading your e-mail
BUSINESS LINE
August 23, 1999
JOURNAL CODE: FBLN LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 555

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... e-mails.
A Web-based e-mail start-up, lonl, not only lets you send **encrypted**
e -mail but (guess what?) also lets you **programme** the **e** -mail to
self-destruct after a **predetermined** amount of **time** has elapsed! Does
this ring a bell? Remember the "Mr. Phelps ... this tape will self...
?

21/3,K/1 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01607807 02-58796

The road to digital

McClure, Howard G; Weirather, Robert R; Ericksen, Dane E; Payne, John; et al

Broadcast Engineering v40n3 PP: 66-140 Mar 1998

ISSN: 0007-1994 JRNL CODE: BRG

WORD COUNT: 21735

...TEXT: should be able to tailor a system to support their specific requirements, such as individual **program bit rate**, GOP structure, video delay and ancillary **data** support, i. e., VBI support. **Encoders** should also offer some form of **program** management within the transport stream multiplexer. Broadcasters should be able to remove, extract and/or ...

21/3,K/2 (Item 2 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01555287 02-06276

Optibase aims to tap corporate authoring market with DVD fab!

Partyka, Jeff

EMedia Professional v10n12 PP: 18-20 Dec 1997

ISSN: 1090-946X JRNL CODE: LDP

WORD COUNT: 401

...TEXT: FusionTM, an MPEG-2 real-time encoder, is integrated with Scenarist, Daikin's professional authoring **software**. Professional **digital** inputs, **digital** filters, and variable **bit rate encoding** are included to enhance video and audio quality. DVD Fab! also supports a variety of...

21/3,K/3 (Item 3 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01479596 01-30584

Ready when you are

Mitchell, Karen; Seoane, Dan; Orubeondo, Ana

InfoWorld v19n31 PP: 64-74 Aug 4, 1997

ISSN: 0199-6649 JRNL CODE: IFW

WORD COUNT: 771

...TEXT: Adding video to your intranet is pretty straightforward. You create the material to be used, **encoding** the **digital** images with the **software** designed to help determine the **bit rates** for each client you'll use. You create a Web page to post to the...

21/3,K/4 (Item 1 from file: 9)

DIALOG(R)File 9:Business & Industry(R)

(c) 2006 The Gale Group. All rts. reserv.

04091097 Supplier Number: 153189130 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Harmonic advances cable toward the all-on-demand future at ANGA Cable 2006.

Fiber Optics Weekly Update, v 26, n 21, p 5
May 26, 2006

DOCUMENT TYPE: Newsletter ISSN: 1051-189X (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 523

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...the following:

--Next-generation high-definition encoding for delivering superior quality video at ultra-low **bit - rates**

--An IP-based multi-channel **digital** mosaic that enables visual navigation and advanced **program** selection

--A bandwidth-efficient system that simultaneously **encodes** multiple full-resolution as well as low-resolution video channels that can be used for...

21/3,K/5 (Item 2 from file: 9)

DIALOG(R)File 9:Business & Industry(R)
(c) 2006 The Gale Group. All rts. reserv.

03967176 Supplier Number: 146223630 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Harmonic to Showcase Solutions at ANGA Cable 2006.

(Harmonic)

Wireless News, p NA

May 23, 2006

DOCUMENT TYPE: Journal (United Kingdom)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 353

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...2006, Harmonic will feature:

--Next generation high definition encoding for delivering video at ultra-low **bit - rates**

--An IP-based multi-channel **digital** mosaic that enables visual navigation and advanced **program** selection

--A bandwidth-efficient system that simultaneously **encodes** multiple full resolution as well as low resolution video channels that can be used for...

21/3,K/6 (Item 3 from file: 9)

DIALOG(R)File 9:Business & Industry(R)
(c) 2006 The Gale Group. All rts. reserv.

... solution deployed from one end of the content delivery chain to the other. For example, **program** originators can use Harmonic's DiviCom(R) **encoders** to convert their **content** into high quality, low **bit rate**, MPEG **digital** video for efficient transport. In distribution applications, ProView IRDs are used by broadband service providers...

21/3,K/12 (Item 1 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2006 The Gale Group. All rts. reserv.

05631498 Supplier Number: 107808239 (USE FORMAT 7 FOR FULLTEXT)

BigBand Networks targets European DVB operators to launch and scale broadcast and on-demand services; Modular architectures, incorporating robust technology integration, provide low entry cost points, and scale to meet future service needs; Capabilities include DVB headend turnaround, IP distribution, and Broadcast and VOD Edge QAM, and more; Proven by major global operator deployments serving millions of digital video subscribers.

M2 Presswire, pNA

Sept 16, 2003

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 1125

... channel line-ups created, video quality assured and maximum bandwidth efficiency achieved. Complimentary technologies include **digital encoding** of analogue **content**, RateShapingdynamic **bit rate** adaptation, and scheduled splicing of digital **program** streams for advertisements or regional content.

VOD deployments can be supported intelligently in centralised, distributed...

21/3,K/13 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2006 The Gale Group. All rts. reserv.

07381150 Supplier Number: 60377001 (USE FORMAT 7 FOR FULLTEXT)

Lariat batch encodes streaming media.

TRASK, SIMON

Pro Sound News Europe, v15, n2, p46

Feb, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 181

... for providers which acquire, manage and utilise large amounts of streaming media content, the new **software** includes a batch **encoding** feature which lets users **encode content** to multiple **digital** formats and **bit rates** in a single step. Encoded output can then be distributed to servers in multiple locations...

21/3,K/14 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2006 The Gale Group. All rts. reserv.

05167916 Supplier Number: 47887374 (USE FORMAT 7 FOR FULLTEXT)

Ready when you are

InfoWorld, p064

August 4, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 3935

... Adding video to your intranet is pretty straightforward. You create the material to be used, **encoding** the **digital** images with the **software** designed to help determine the **bit rates** for each client you'll use. You create a Web page to post to the...

21/3,K/15 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2006 Dialog. All rts. reserv.

44161193 (USE FORMAT 7 OR 9 FOR FULLTEXT)

HARMONIC: Harmonic multiplies the power of TV at IBC 2005

M2 PRESSWIRE

August 25, 2005

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 960

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Electra(tm) 1000 multi-channel MPEG-2 encoder.

Other featured Harmonic solutions include:

- * Very low **bit - rate** , high-quality SD and HD storage **encoding** for **digital program** insertion (DPI) and on-demand services
- * Versatile DPI solutions that dynamically regionalize and customize broadcast...

21/3,K/16 (Item 2 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter

(c) 2006 Dialog. All rts. reserv.

31200249 (USE FORMAT 7 OR 9 FOR FULLTEXT)

BigBand Networks: BigBand Networks targets European DVB operators to launch and scale broadcast and on demand services; Modular architectures, incorporating robust technology integration, provide low entry cost points, and scale to meet future service nee

M2 PRESSWIRE

September 16, 2003

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 965

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... channel line-ups created, video quality assured and maximum bandwidth efficiency achieved. Complimentary technologies include **digital encoding** of analogue **content** , RateShapingdynamic **bit rate** adaptation, and scheduled splicing of digital **program** streams for advertisements or regional content.

VOD deployments can be supported intelligently in centralised,

? show files; ds; save temp; logoff hold
 File 348:EUROPEAN PATENTS 1978-2006/ 200644
 (c) 2006 European Patent Office
 File 349:PCT FULLTEXT 1979-2006/UB=20061026UT=20061019
 (c) 2006 WIPO/Thomson

Set	Items	Description
S1	994955	(RECORD? ? OR TRACK??? OR MONITOR??? OR MEASUR??? OR MEASUREMENT? ? OR METER??? OR COUNT??? OR QUANTIF? OR GAUG??? OR - CALCULAT??? OR CALCULAT??? OR COMPUTE OR COMPUTES OR COMPUTING OR DETERMIN? OR ESTIMAT??? OR ADD??? OR SUM?) (7N) (VALUE? ? OR RATE? ? OR
S2	602772	(ELECTRONIC? ? OR DIGITAL OR E OR COMPUTER? ?) (7N) (CONTENT? ? OR DATA OR FILE? ? OR MEDIA OR GAME? ? OR CONTENT? ? OR MUSIC? ? OR FILM? ? OR MOVIE? ? OR SOFTWARE? ? OR SHOW? OR PROGRAM? OR FILM? ?)
S3	41680	S2(7N) (ENCOD? OR ENCRYPT? OR ENCOD??? OR ENC?PHER??? OR SECUR? OR RESTRICT??? OR EMBED?)
S4	53438	SAMPLE(7N) (SELECTION? ? OR CHOSEN OR SELECTED OR SPECIFY? - ?? OR SPECIFIE? ? OR DESIGNAT??? OR INDICAT??? OR STIPULAT??? OR PICK???)
S5	144912	(PREDEFIN? OR PRE()DEFIN? OR PRE()DETERMIN? OR PREDETERMIN- ?) (7N) (TIME OR DURATION OR PERIOD OR TIMEFRAME OR TIMESPAN - OR TIME() FRAME OR TIME() SPAN)
S6	75	INTERIM(3N)RATE? ?
S7	33351	BIT(3N)RATE? ?
S8	1429361	ALGORITHM? ? OR PROGRAM? ? OR SOFTWARE OR PROCESS OR PROCEDURE? ?
S9	15	AU=(MILSTED, K? OR MILSTED K? OR GONG, Q? OR GONG Q?)
S10	9	S9 AND S1
S11	9	S10 AND S2
S12	35984	S1(7N)S2
S13	1146	S12(3N)S3
S14	2	S13(3N)S4
S15	5	S13(7N)S5
S16	0	S13(7N)S6
S17	23	S13(7N)S7
S18	6	S17 NOT PY>1998
S19	331	S13(7N)S8
S20	34	S19 NOT PY>1998
S21	0	S20(3N)S5

11/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

01573084

**METHOD AND SYSTEM OF PREVENTING UNAUTHORIZED RE-RECORDING OF MULTIMEDIA
CONTENT**
**SYSTEM UND VERFAHREN ZUM VERHINDERN VON UNBERECHTIGTER WIEDERAUFNAHME EINES
MULTIMEDIAINHALTS**
**PROCEDE ET SYSTEME EMPECHANT LE REENREGISTREMENT NON AUTORISE DE CONTENUS
MULTIMEDIA**

PATENT ASSIGNEE:

International Business Machines Corporation, (200128), New Orchard Road,
Armonk, NY 10504, (US), (Proprietor designated states: all)

INVENTOR:

LISANKE, Michael, 8111 E. Rose Marie Avenue, Boynton Beach, FL 33437-1003
, (US)

MILSTED, Kenneth, 9927 Majestic Way, Boynton Beach, FL 33437-3303, (US)

NUSSER, Stefan c/c IBM U.K. Ltd, Hursley Park, Winchester Hampshire SO21
2JN, (GB)

TANTLINGER, Bruce, 101 Azalea Circle, Boynton Beach, FL 33436, (US)

WILHELM, George, Jr., 705 Catalina Boulevard, Endwell, NY 13760-1611,
(US)

LEGAL REPRESENTATIVE:

Moss, Robert Douglas (34142), IBM United Kingdom Ltd, MP 110, Hursley
Park, Winchester, Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 1421583 A1 040526 (Basic)

EP 1421583 B1 050518

WO 2003019553 030306

APPLICATION (CC, No, Date): EP 2002755205 020819; WO 2002GB3821 020819

PRIORITY (CC, No, Date): US 938401 010823

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G11B-020/00; G06F-001/00

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	200520	533
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CLAIMS B	(German)	200520	551
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CLAIMS B	(French)	200520	586
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SPEC B	(English)	200520	45940
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Total word count - document A	0
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Total word count - document B	47610
-------------------------------	-------

Total word count - documents A + B	47610
------------------------------------	-------

INVENTOR:

... US)

MILSTED, Kenneth ...

...SPECIFICATION s) (e.g., composer, producer, sidemen, track length) and
the types of promotional data the **Content** Provider(s) 101 provides to
the Electronic Digital Content Store(s) 103 (e .g., for a **music**
example, sample clips by this artist, a history of this artist, the list
of albums...

...be optionally provided to the End-User Device(s) 109 and a sample set of
data fields, targeted to the **Electronic Digital Content Store(s)**
103, that promote the artist, album, and/or single.

To extract the template...

...s) 101 the Automatic Metadata Acquisition Tool uses a table that maps the type of **data** (e .g., composer, producer, a biography of the artist) to the location within the database where...

...purchase or the rental of the Content 113. For a rental transaction: (center dot) the **measurement** unit which is used to limit the term of the rental (e.g., days, plays...

...of playable copies the End-User(s) is allowed to make.
onto what kinds of **media** can he/she make those copies (e .g., CD-Recordable (CD-R), MiniDisc, Personal Computer).
4. the period of time during which...

...channel.

D. Content Processing Tools

The Content Processing Tools 155 is actually a collection of **software** tools which are used to process the **digital content file** to create watermarked, encoded, and encrypted copies of the **content** . The tools makes use of industry standard **digital content** processing tools to allow pluggable replacement of watermarking, encoding and encryption technologies as they evolve...

...bps modems.

The Content Provider(s) 101 may, therefore, choose to offer a variety of **digital content** qualities for download to appease both the impatient and low bandwidth customers who don t...

...with less loss of fidelity or to prevent drastic dropout of some frequency ranges, the **digital content** may sometimes require adjustments to equalization levels of certain frequencies or adjustments to- the dynamics...

...the compression algorithm and the level of compression required. In some cases, the style of **Content** 113 (e .g. **musical** genre) can be successfully used as a base for determining preprocessing requirements since songs from...

...the additional information retrieved is used to start the Work Flow Manager 154 for creating **electronic Content** 113. It should be understood, that several selections of media, such as several audio CDS ...

...up so as to enable the Automatic Metadata Acquisition Tool to create a series of **Content** 113 for **electronic** distribution. For example, all the **Content** 113 could be created from a series of CDS or even selected tracks from one...

...Assurance Process 813 step is provided after packaging of all the SC(s) for this **content** (e .g. each SC(s) for songs on a CD) at which time the quality of...

...into the SC(s) Packer for use in creation of the Metadata SC(s) 620.

E . Content SC(s) Creation Tool

Once all metadata has been gathered the Content SC(s) Creation... advance of their scheduled release date and hold them until they wish to release them e .g., a new song, **movie** or **game** . The SC(s) can also control access to Content 113 based on a defined release...

...

...Signal Processor) and control memory, which may be ROM 2064 (Read Only Memory) for processing **digital** audio **Content** 113 out through the speakers coupled to the End User Device(s) 109. Audio is...

...value to a given analog value as the Content 113 is read from the storage **media** 2054.

Digital Content 113 is usually compressed for storage and/or faster transmission. **Digital Content** 113 is sent in short stand-alone segments. One example is a Wave file format systems, two or more speakers are necessary.

The **digital Content** 113 is read from the storage **media** 2054, decrypted and/or uncompressed if necessary and converted to an analog signal by the...

...113 to be stored back to the storage media 2054 with no encryption. This decrypted **Content** 113 if captured in the **digital** format is perfect. No analog noise, no background noise no conversion errors, the **digital Content** 113 is a perfect copy of the original. The audio feature card 2056 could entail a digital out interface or could provide a direct interface to the **digital content** prior to the DAC conversion. This type of recording removes the encryption and allows a...

...concern. CD quality is two channels (stereo) of information which has been converted to a **digital file** using 44,100 samples per sec.

A multimedia platform is designed to record or render...

...forms from sources such as a microphone, musical instrument (such as a synthesizer), a MIDI (**Musical Instrument Digital Interface**) device or a direct connection to the output of a waveout device which is...

...20 above and device drivers that interface between the audio feature card and the application **program**. The ability to render the **digital content** results in one or more audio streams being delivered to one or more speakers. The...

11/3,K/2 (Item 2 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01245941

Secure electronic content distribution on CDS and DVDS

Sichere Verteilung von elektronischem Inhalt auf CDs und DVDS

Distribution securisee d'un contenu electronique sur CDs et DVDS

PATENT ASSIGNEE:

International Business Machines Corporation, (200129), New Orchard Road, Armonk, NY 10504, (US), (Proprietor designated states: all)

INVENTOR:

Hurtado, Marco M., c/o IBM United Kingdom Ltd, Intellectual Property

Law, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

Milsted, Kenneth L., c/o IBM United Kingdom Ltd, Intellectual Property

Law, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

Gruse, George G., c/o IBM United Kingdom Ltd, Intellectual Property

Law, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

Downs, Edgar, c/o IBM United Kingdom Ltd, Intellectual Property

Law, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

Lehman, Christopher T., c/o IBM United Kingdom Ltd, Intellectual Property

Law, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)

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 Property Department, Hursley Park, Winchester, Hampshire SO21 2JN, (GB)
 PATENT (CC, No, Kind, Date): EP 1077398 A1 010221 (Basic)
 EP 1077398 B1 060920
 APPLICATION (CC, No, Date): EP 2000305655 000705;
 PRIORITY (CC, No, Date): US 376102 990817
 DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
 LU; MC; NL; PT; SE
 EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
 INTERNATIONAL PATENT CLASS (V7): G06F-001/00; H04L-029/06
 INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):
 IPC + Level Value Position Status Version Action Source Office:
 G06F-0001/00 A I F B 20060101 20001128 H EP
 H04L-0029/06 A I L B 20060101 20001128 H EP
 ABSTRACT WORD COUNT: 211
 NOTE:
 Figure number on first page: 18

LANGUAGE (Publication, Procedural, Application): English; English; English
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200108	981
CLAIMS B	(English)	200638	520
CLAIMS B	(German)	200638	534
CLAIMS B	(French)	200638	601
SPEC A	(English)	200108	42868
SPEC B	(English)	200638	42370
Total word count - document A			43856
Total word count - document B			44025
Total word count - documents A + B			87881

...SPECIFICATION encoding algorithm and encoding bit rate. If the selected algorithm has a previously calculated rate **factor** RSTORED)), step 1103. The Content 113 is encoded and the progression displayed using the previously **calculated rate factor** RSTORED)), step 1104. In the meantime, a current **rate factor** , Rcurrent)) is **calculated** for this selected algorithm and bit **rate** , step 1105. This current rate factor Rcurrent)) is used to update the stored rate factor RNEW)) = AVERAGE OF (RSTORED)) + RCURRENT))), step 1106. The iterative update of the **rate factor** enables the **determination** of the encoding **rate** to become more and more accurate with each subsequent use for a particular encoding algorithm...

...include the time remaining for the encoding. The time remaining for the encoding can be **calculated** by dividing the encoding **rate** **calculated** RCURRENT)) by the total length of the file for Content 113. The encoding status can...

...Control Process 810.

11. Encryption Process 811

The Encryption Process 811 calls the appropriate Secure **Digital Content Electronic** Distribution Rights Management function to encrypt each of the watermarked/encoded song files. This process...

...is called to create a Content SC(s) 630 for each compression level of the **Content** 113 (e .g. a song) created. Upon completion of the Content SC(s) Creation Process 812, the...

Interface 1601):

* Open the **Digital Content Librarian** window. Also see **Digital Content Librarian** below for more info.

Song Play

When a song has been prepared for play...

...argument or by selecting a song for play from a Play-list or within the **Digital Content Librarian**, these are the End-User(s)' options:
(corresponding screen of an End-User Interface...

...Picture

- * View Track Information
- * View other metadata
- * Visit web site
- * Play-list
- * Librarian and more.

Digital Content Librarian

The **Digital Content Librarian** can be invoked implicitly when selecting songs or Play-lists (see above) or may...

11/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01385646

COMBINATION THERAPY FOR B CELL DISORDERS

POLYTHERAPIE CONTRE LES TROUBLES DES LYMPHOCYTES B

Patent Applicant/Assignee:

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(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200668867 A1 20060629 (WO 0668867)

Application: WO 2005US44926 20051212 (PCT/WO US2005044926)

Priority Application: US 200421874 20041222

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KN KP KR
KZ LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG
PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC
VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL
PL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

dilution of phage for IC50 **measurement** , serial dilutions of purified phage from each clone were incubated in ELISA binding buffer (PBS...

...yielded -I O.D. at 490nm was determined and used in the IC50 assay.

To **determine** the IC50 **value** of each of the 14 clones, Nunc Maxisorp 96-well plates were coated overnight at...

...washed, detected with HRP-conjugated anti-MI3 antibody

73

and processed as described above. IC50 **values** were **determined** by a four- **parameter** fit of the ELISA signal for each of the 14 clones. The IC50 values ranged...

...quenched with 100 gl/well IM H3PO4 and the plate read at 490 nm. IC50 **values** were **determined** by a four- **parameter** fit of the competitive displacement ELISA signal. The concentrations of initial stock solutions of miniBR3 and BR3 extracellular domain were **determined** by quantitative amino acid analysis.

The IC50 **values** were **determined** for BR3,ECD, BLYS0027, BLyS0048 and BLYS0051 using this assay. The 17-mer peptides...quenched with 100 gl/well IM H3PO4 and the plate read at 490 nm. IC50 **values** were **determined** by a four- **parameter** fit of the competitive displacement ELISA signal. The equation is: $y = m_1 + (m_2 - r_n I) I \dots$

11/3,K/4 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01306581 **Image available**

METHOD FOR AUGMENTING B CELL DEPLETION

METHODE PERMETTANT D'AUGMENTER L'APPAUVRISSMENT DES LYMPHOCYTES B

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Patent Applicant/Inventor:

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 2005113003 A2-A3 20051201 (WO 05113003)

Application: WO 2005US12984 20050415 (PCT/WO US2005012984)

Priority Application: US 2004563263 20040416

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT
RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA
ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL

PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 45234

Patent Applicant/Inventor:

... Designated only for: US)

GONG Qian ...

Fulltext Availability:

Detailed Description

Detailed Description

... with B cell killing (depleting) agent alone. The levels of B cell depletion can be **measured** by methods familiar to the skilled medical practitioner. B cell depletion can be **measured** by the number of B cells in the blood without and with treatment with B...the antagonist is any one of the small molecules recited in WO 02/059114 and **shown** in Table 4 (i. e ., compounds numbered 4. 5, 35, 17, 10, 12, 13@ 14@ 41, 44@ 6@ 153 363...

...from which they are derived and demonstrate biological activity such as depleting B cells, as **measured** by in vitro or in vivo assays.

2. B cell Depleting Antibodies

Biological activity of...treatment efficacy in rheumatoid arthritis is based on American College of Rheumatology (ACR) criteria, which **measures** the percentage of improvement in tender and swollen joints, among other things. The rheumatoid arthritis...

...count and swollenjoint count plus a 20% improvement in at least 3 of 5 additional **measures** .

1. patient's pain assessment by visual analog scale (VAS),
2. patient's global assessment...

- ...3. physician's global assessment of disease activity (VAS),
4. patient's self-assessed disability **measured** by the Health Assessment Questionnaire, and 5. acute phase reactants, CRP or ESR.

The ACR...

...PASI) scores, Psoriasis Symptom Assessment (PSA), compared with the baseline condition. The patient can be **measured** periodically throughout treatment on the Visual analog scale used to indicate the degree of itching...

11/3,K/5 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01195056

COMBINATION THERAPY FOR B CELL DISORDERS

POLYTHERAPIE CONTRE LES DEREGLEMENTS DES LYMPHOCYTES B

Patent Applicant/Assignee:

GENENTECH INC, 1 DNA Way, South San Francisco, California 94080-4990, US,
US (Residence), US (Nationality), (For all designated states except:

chain of FcγRIII are shown in Figure 22A/B/C/D/ E . Representative sequences for the human gamma chain are shown in Figure 25 (GenBank Accession No...various ways that are within the skill in the art, for instance, using publicly available computer software such as BLAST, BLAST-2, ALIGN, ALIGN-2 or Megalign (DNASTAR) software. Those skilled in...agent for treatment for CD20 associated condition. Alternatively, baseline levels of B lymphocytes can be measured in the various tissues (e.g., spleen, bone marrow, peripheral blood, lymph nodes, Peyer's...

...specific molecule or other agent has been administered. The concentration of a cytokine can be measured using an EIA by detecting the interaction of the cytokine with an antibody, which is...

...pain, nausea, asthenia, pharyngitis, diarrhea, rhinitis, infusion reactions, and myalgia. Short term adverse events are measured in days post treatment. Long term adverse effects include cytotoxicity of certain cell types, bleeding...

...end organ toxicity, and increased incidence of infection or malignancy. Long term adverse events are measured in months post treatment. Another aspect of the invention involves a method for determining efficacy...

11/3,K/8 (Item 6 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00989516 **Image available**

METHOD AND SYSTEM OF PREVENTING UNAUTHORIZED RE-RECORDING OF MULTIMEDIA CONTENT

PROCEDE ET SYSTEME EMPECHANT LE REENREGISTREMENT NON AUTORISE DE CONTENUS MULTIMEDIA

Patent Applicant/Assignee:

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IBM UNITED KINGDOM LIMITED, P.O. Box 41, North Harbour, Portsmouth, Hampshire PO6 3AU, GB, GB (Residence), GB (Nationality), (Designated only for: MG)

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200319553 A1 20030306 (WO 0319553)

Application: WO 2002GB3821 20020819 (PCT/WO GB0203821)

Priority Application: US 2001938401 20010823

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR

LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 53023

Inventor(s):

... **MILSTED Kenneth**

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... encoded, and encrypted copies of the content. The tools makes use of industry standard digital **content** processing tools to allow pluggable replacement of watermarking, encoding and encryption technologies as they evolve...bps modems.

The Content Provider(s) 101 may, therefore, choose to offer a variety of **digital content** qualities for download to appease both the impatient and low bandwidth customers who don't...with less loss of fidelity or to prevent drastic dropout of some frequency ranges, the **digital content** may sometimes require adjustments to equalization levels of certain frequencies ...the compression algorithm and the level of compression required. In some cases, the style of **Content** 113 (e .g. musical genre) can be successfully used as a base for determining preprocessing requirements since...the additional information retrieved is used to start the Work Flow Manager 154 for creating **electronic Content** 113. It should be understood, that several selections of media, such as several audio CDS...

...up so as to enable the Automatic Metadata Acquisition Tool to create a series of **Content** 113 for **electronic** distribution. For example, all the **Content** 113 could be created from a series of CDS or even selected tracks from one...Assurance Process 813 step is provided after packaging of all the SC(s) for this **content** (e .g. each SC(s) for songs on a CD) at which time the quality of...into the SC(s) Packer for use in creation of the Metadata SC(s) 620.

E . Content SC(s) Creation Tool

Once all metadata has been gathered the Content SC(s) Creation...advance of their scheduled release date and hold them until they wish to release them e .g., a new song, **movie** or **game** . The SC(...disperse information on what the Content Provider(s) 101 is making available for sale via **digital** download, and to get the necessary files to the **Electronic Digital Content Store(s)** 103 to enable ...of service already exists, an additional section can be

The **digital Content 113** is read from the storage media 2054, decrypted and/or uncompressed if necessary and converted to an analog signal by the ...113 to be stored back to the storage media 2054 with no encryption. This decrypted **Content 113** if captured in the **digital format** is perfect. No analog noise, no background noise no conversion errors, the **digital Content 113** is a perfect copy of the original. The audio feature card 2056 could entail a digital out interface or could provide a direct interface to the **digital content** prior to the DAC conversion. This type of recording removes the encryption and allows a...concern. CD quality is two channels (stereo) of information which has been converted to a **digital file** using 44,100 samples per sec.

A multimedia platform is designed to record or render...20 above and device drivers that interface between the audio feature card and the application **program**. The ability to render the **digital content** results in one or more audio streams being delivered to one or more speakers. The...

Claim

... of wavein type devices and/or ports coupled to the end user system.

9 A **computer program** containing programming instructions for an end-user system to prevent an unauthorized recording of multimedia content as a result of rendering the multimedia **content**, which instructions, when executed by a **computer**, cause the computer to carry out the method of any of claims 1 to 8.

10 An end-user system comprising:
an interface to a storage medium for storing encrypted **digital content** ;
means for decrypting the stored **digital content** ;
a multimedia device and/or port for playing or rendering the decrypted **digital content** ;
one or more devices and/or ports that can record at least part of the decrypted **digital content** , wherein the one or more devices and/ or ports are opened prior to the playing or rendering of the encrypted **digital content** so as to block each of the devices and/or ports from recording of the decrypted **digital content** . 15 11. The end-user-system according to claim 10, wherein the one or more...not opening the device and/or port prior to playing or rendering of the encrypted **digital content** .

11/3,K/9 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00545536 **Image available**
SYSTEM FOR TRACKING END-USER ELECTRONIC CONTENT USAGE
SYSTEME POUR SUIVRE L'UTILISATION DE CONTENUS ELECTRONIQUES PAR UN
UTILISATEUR FINAL
Patent Applicant/Assignee:

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DOWNS Edgar,
GRUSE George Gregory,
HURTADO Marco,
LEHMAN Christopher,
LOTSPIECH Jeffrey,
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Inventor(s) :

DORAK John Jr,
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LEHMAN Christopher,
LOTSPIECH Jeffrey,
MEDINA Cesar,

MILSTED Kenneth ,

Patent and Priority Information (Country, Number, Date) :

Patent: WO 200008909 A2 20000224 (WO 0008909)

Application: WO 99US18383 19990812 (PCT/WO US9918383)

Priority Application: US 98133519 19980813; US 98177096 19981022

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 51208

Inventor(s) :

... **MILSTED Kenneth**

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... Tool is actually a subset of the Content Acquisition Tool used by the Electronic Digital **Content** Store(s) 103 to open and process Metadata SC(s) 620. See the Content Acquisition...

...availability is publicized. The Content Provider(s) 101 can send a notification to all subscribing **Electronic Digital Content** Store(s) 103 as each new Metadata SC(s) 620 is added to the site...

...that day (or period). This notification is performed via a standard HTTP exchange with the **Electronic Digital Content** Store(s) 103 Web Server by sending a defined CGI string containing **parameters** referencing the Metadata SC(s) 620 **added**. This message is handled by the Notification Interface Module of the **Electronic Digital Content** Store(s) 103 which is described later.

1. Content Hosting

The Entertain-ment Industry produces...

...such as CDS, movies and games every year, adding to the tens of thousands of **content** titles that are currently available. The Secure **Digital Content Electronic** Distribution System 100 is designed to support all of the content titles available in stores today.

The numbers of **content** titles that the **Secure Digital Content Electronic** Distribution System 100 may eventually download to customers on a daily basis is in the...

...all over the world. This requires overseas sites to speed delivery to the global customers.

Content hosting on the **Secure Digital Content Electronic** Distribution System 100 is designed to allow the Content Provider(s) 1 01 to either...

...their own Content 1 13 or share a common facility or a set of facilities.

Content hosting on the **Secure Digital Content Electronic** Distribution System 100 consists of multiple **Content** Hosting Site(s) 1 1 1 that collectively contain all of the **Content** 1 1 3 offered by the **Secure Digital Content Electronic** Distribution System 100 and several Secondary **Content** Sites (not shown) that contain the current hot hits offered by the Content Provider(s) 101...

...Content Sites. This allows them to build their own scalable distributed system. In another embodiment, **Electronic Digital Content** Store(s) 103 can also act as Content Hosting Site(s) III for certain Content 1 1 3. This embodiment requires a special financial agreement between the **Electronic Digital Content** Store(s) 103 and the **Content** Provider(s) 1 0 1.

1 . Content Hosting Sites
Content 1 1 3 is added....

...or via offline means such as content delivery on tape, CD Rom, flash, or other **computer** readable **media** . The Metadata SC(s) 620 created by the Content Provider(s) 101 contain a field...

...locating the Content SC(s) 630 for this Content 113. This URL corresponds to a **Content** Hosting Site(s) I I 1. **Electronic Digital Content** Store(s) 103 can override this URL if allowed by the Content Provider(s) 10...1' 1 1.

2. Content Hosting Site(s) 1 1 1 provided by the **Secure Digital Content Electronic** Distribution System I 00 For the **Secure Digital Content Electronic** Distribution System I 00 the decision of which site should be used to download the...

...Are there secondary content sites that host the Content 1 13 requested? (The majority of **Content** 1 13 offered by the **Secure Digital Content Electronic** Distribution System I 00 is only located at primary sites); Where is the End-User...

...I 1 3.

Secondary Content Sites

The Secondary Content Sites (not shown) host the popular **Content** 113 of the **Secure Digital Content** Distribution System 100. These sites are geographically dispersed across the world and are located near...

...demand on the primary

Content Hosting Site(s) I 1 1 nears maximum capacity

IX. **ELECTRONIC DIGITAL CONTENT** STORE(S)

15/3,K/1 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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02080488

System, performance monitor, server, and computer program

System, Leistungsmonitor, Server und Computerprogramm

Système, controleur de performance, serveur et programme informatique

PATENT ASSIGNEE:

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(Applicant designated States: all)

INVENTOR:

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LEGAL REPRESENTATIVE:

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Roobertinkatu 23, 00121 Helsinki, (FI)

PATENT (CC, No, Kind, Date): EP 1684488 A2 060726 (Basic)

APPLICATION (CC, No, Date): EP 2006100367 060116;

PRIORITY (CC, No, Date): FI 2055027 050119

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;

HU; IE; IS; IT; LI; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; BA; HR; MK; YU

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

H04L-0029/06 A I F B 20060101 20060502 H EP

A61B-0005/00 A I L B 20060101 20060502 H EP

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200630	1544
SPEC A	(English)	200630	6338
Total word count - document A			7882
Total word count - document B			0
Total word count - documents A + B			7882

...CLAIMS been established.

21. A computer software product according to claim 17, characterized in that the **computer software** product further comprises **encoded** instructions for **setting time** limits for the **predetermined** performance **monitor time** window according to server instructions.
22. A computer software product for managing a group of...

...been established.

26. A computer software product according to claim 22, characterized in that the **computer software** product further comprises **encoded** instructions for **setting time** limits for the **predetermined** performance **monitor time** window in the performance monitor.

15/3,K/2 (Item 2 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00967300

DEVICE AND METHOD FOR ENCODING IMAGE DATA, AND IMAGE DATA TRANSMISSION METHOD

VORRICHTUNG UND VERFAHREN ZUR KODIERUNG VON BILDDATEN SOWIE VERFAHREN ZUR
BILDDATENUBERTRAGUNG
PROCEDE ET DISPOSITIF DE CODAGE D'IMAGE NUMERISEE ET PROCEDE DE
TRANSMISSION D'IMAGE NUMERISEE

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 888009 A1 981230 (Basic)
EP 888009 B1 060222
WO 1998026599 980618

APPLICATION (CC, No, Date): EP 97947927 971212; WO 97JP4595 971212

PRIORITY (CC, No, Date): JP 96332082 961212; JP 97174797 970630

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04N-007/24;

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

H04N-0007/58 A I F B 20060101 20030410 H EP

H04N-0007/50 A I L B 20060101 20030410 H EP

ABSTRACT WORD COUNT: 160

NOTE:

Figure number on first page: 3

LANGUAGE (Publication, Procedural, Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199853	1255
CLAIMS B	(English)	200608	916
CLAIMS B	(German)	200608	738
CLAIMS B	(French)	200608	1165
SPEC A	(English)	199853	6135
SPEC B	(English)	200608	6223
Total word count - document A			7391
Total word count - document B			9042
Total word count - documents A + B			16433

...SPECIFICATION preliminarily compression-encoding non-compressed video data to adaptively control, on the basis of difficulty **calculated** from the preliminary compression- **encoding** , compression **factor** of non-compressed video **data** delayed by a **predetermined** time by, e .g., FIFO memory, etc.

Since non-compressed video data is permitted to adaptively undergo compression...

...SPECIFICATION preliminarily compression-encoding non-compressed video data to adaptively control, on the basis of difficulty **calculated** from the preliminary compression- **encoding** , compression **factor** of non-compressed video **data** delayed by a **predetermined** time by, e .g., FIFO memory, etc.

Since non-compressed video data is permitted to adaptively undergo

compression...

15/3,K/3 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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01066614 **Image available**

METHOD AND SYSTEM FOR MEDIA

PROCEDE ET SYSTEME POUR CONTENU MULTIMEDIA

Patent Applicant/Inventor:

RISAN Hank, 515 Washington Street, Santa Cruz, CA 95060, US, US

(Residence), US (Nationality)

FITZGERALD Edward Vincent, 100 Peach Terrace, Santa Cruz, CA 95060, US,

US (Residence), US (Nationality)

Legal Representative:

GALLENSON Mavis S (et al) (agent), Ladas & Parry, 5670 Wilshire

Boulevard, Suite 2100, Los Angeles, CA 90036, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200396340 A2 20031120 (WO 0396340)

Application: WO 2003US14878 20030510 (PCT/WO US03014878)

Priority Application: US 2002379979 20020510; US 2002378011 20020510; US
2002218241 20020813; US 2002235293 20020904; US 2002304390 20021125; US
2002325243 20021218; US 2003364643 20030210; US 2003451231 20030228; US
2003430843 20030505; US 2003430477 20030505

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE
SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 222812

Fulltext Availability:

Detailed Description

Detailed Description

... 300 to provide compliance with copyright restrictions and/or licensing
agreements applicable with a media content file without having the
processing overhead of encrypted media files.

Figure 4 is an illustration of an exemplary system 400 for implementing a
copyright...

15/3,K/4 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00806384

NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND

METHOD THEREOF

**GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT
DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE**

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor,
2029 Century Park East, Los Angeles, CA 90067-3024, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139030 A2 20010531 (WO 0139030)

Application: WO 2000US32324 20001122 (PCT/WO US0032324)

Priority Application: US 99444775 19991122; US 99447621 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB
GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN
YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 171499

Fulltext Availability:

Detailed Description

Detailed Description

... they do in local switch time format.

The epoch time format may represent coordinated universal time (UTC),
as determined at 1 5 Greenwich, England, which has a time zone of
zero (0) local switch time, or any other time.

Epoch time is only...

15/3,K/5 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00545536 **Image available**

SYSTEM FOR TRACKING END-USER ELECTRONIC CONTENT USAGE

SYSTEME POUR SUIVRE L'UTILISATION DE CONTENUS ELECTRONIQUES PAR UN
UTILISATEUR FINAL

Patent Applicant/Assignee:

INTERNATIONAL BUSINESS MACHINES CORPORATION,

DORAK John Jr,

DOWNES Edgar,

GRUSE George Gregory,

HURTADO Marco,

LEHMAN Christopher,

LOTSPIECH Jeffrey,

MEDINA Cesar,
MILSTED Kenneth,
Inventor(s):
DORAK John Jr,
DOWNS Edgar,
GRUSE George Gregory,
HURTADO Marco,
LEHMAN Christopher,
LOTSPIECH Jeffrey,
MEDINA Cesar,
MILSTED Kenneth,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200008909 A2 20000224 (WO 0008909)
Application: WO 99US18383 19990812 (PCT/WO US9918383)
Priority Application: US 98133519 19980813; US 98177096 19981022

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
YU ZA ZW AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 51208

Fulltext Availability:

Claims

Claim

... SC ENCRYPTION

L

1101

SELECT ALGORITHM
& BIT RATE

1102

YES HERE A 0
PREVIOUSLY CALCU

RATE FACTOR

1 103 11 08

RETRIEVE PREVIOUSLY **CALCULATED** BEGIN ENCODING FOR A

RATE FACTOR RSTORED PREDETERMINED PERIOD

OF TIME & **CALCULATE** NEW

/,oo@ 1104 **RATE FACTOR** RNEW

ENCODE DIGITAL CONTENT & DISPLAY 1109

PROGRESS USING RSTORED

ENCODE DIGITAL **CONTENT** &

1105 DISPLAY PROGRESS

USING RNEW

CALCULATE CURRENT

RATE FACTOR RCURRENT

/,*@ 1106

UPDATE **RATE FACTOR**

RNEW = AVG (RSTORED + RCURRENT)

1107

STORE RNEW FOR THIS ALGORITHM & BIT RATE

1100

FIG* 11...

?

18/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2006 European Patent Office. All rts. reserv.

00307586

High definition television augmentation channel.
Zusatzkanal für Fernsehen mit hoher Auflösung.
Canal supplémentaire à haute définition pour la télévision.

PATENT ASSIGNEE:

N.V. Philips' Gloeilampenfabrieken, (200769), Groenewoudseweg 1, NL-5621
BA Eindhoven, (NL), (applicant designated states: DE;FR;GB)

INVENTOR:

Tsinberg, Mikhail, c/o INT. OCTROOIBUREAU B.V. Prof. Holstlaan 6, NL-5656
AA Eindhoven, (NL)

Otto, Detlev, c/o INT. OCTROOIBUREAU B.V. Prof. Holstlaan 6, NL-5656 AA
Eindhoven, (NL)

LEGAL REPRESENTATIVE:

Kooiman, Josephus Johannes Antonius et al (20381), INTERNATIONAAL
OCTROOIBUREAU B.V. Prof. Holstlaan 6, NL-5656 AA Eindhoven, (NL)

PATENT (CC, No, Kind, Date): EP 317017 A2 890524 (Basic)
EP 317017 A3 910130
EP 317017 B1 940309

APPLICATION (CC, No, Date): EP 88202548 881115;

PRIORITY (CC, No, Date): US 123031-871119

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS (V7): H04N-007/13; H04N-007/08;

ABSTRACT WORD COUNT: 32

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	549
CLAIMS B	(German)	EPBBF1	516
CLAIMS B	(French)	EPBBF1	653
SPEC B	(English)	EPBBF1	2732
Total word count - document A			0
Total word count - document B			4450
Total word count - documents A + B			4450

...SPECIFICATION progressive scans are presently under consideration.

In accordance with the principle of the present invention, **digital data encoded** from RGB high **definition** television signals are coupled to **bit rate** reducing circuitry wherein they are **converted to digital** signals at **bit rates** that are reduced from the bit rates of the input digital signals. The digital signals...

18/3,K/2 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00457875 **Image available**

TOUCHPAD SECURITY DEVICE

DISPOSITIF DE SECURITE A PAVE TACTILE

Patent Applicant/Assignee:

SYNAPTICS INCORPORATED,

Inventor(s):

FRISCH Josef,

PLATT John,

Paul Obiniyi

EIC 3600

03-Nov-06

Patent and Priority Information (Country, Number, Date):

Patent: WO 9848339 A1 19981029
Application: WO 98US7931 19980416 (PCT/WO US9807931)
Priority Application: US 97840939 19970421

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CN JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 5960

Fulltext Availability:

Detailed Description

Detailed Description

... be

checked for validity by the security software. In the preferred embodiment, the touchpad 201 **records data** at an 80Hz **bit rate** and the **electronic key 100** transmits **data** at an approximately 25Hz **bit rate**.

The **security** software must recognize the bit pattern transmitted by the electronic key, and verify the electronic...

18/3,K/3 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00408462 **Image available**

IN-BAND ON-CHANNEL DIGITAL BROADCASTING METHOD AND SYSTEM

PROCEDE ET SYSTEME DE DIFFUSION NUMERIQUE MEME VOIE, MEME BANDE

Patent Applicant/Assignee:

KUMAR Derek D,

Inventor(s):

KUMAR Derek D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9749207 A1 19971224
Application: WO 97US9980 19970612 (PCT/WO US9709980)
Priority Application: US 96666985 19960619

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AU BB BG BR CA CN CZ EE GE HU IL IS JP KP KR LK LR LT LV MG MK MN MX
NO NZ PL RO SG SI SK TR TT UA UZ VN GH KE LS MW SD SZ UG ZW AM AZ BY KG
KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ
CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 46314

Fulltext Availability:

Detailed Description

Detailed Description

... 50/50 contour for the desired signal's transmitter.

The IBOC DAD signal represents an **encoded digital** audio signal, together with ancillary **data**. As a result,

26

the **bit error rate determined** at the IBOC DAB receiver after error correction code (ECC) decoding must be relatively small...

18/3,K/4 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00373395 **Image available**

WAVELET BASED DATA COMPRESSION

COMPRESSION DE DONNEES BASEE SUR DES ONDELETTES

Patent Applicant/Assignee:

U S ROBOTICS MOBILE COMMUNICATIONS CORP,

Inventor(s):

DOBSON Kurt,

WHITNEY Nathan,

SMART Kevin,

RIGSTAD Peter,

YANG Jack,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9714138 A1 19970417

Application: WO 96US11665 19960715 (PCT/WO US9611665)

Priority Application: US 95543205 19951013

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AU AZ BB BG BR BY CA CN CZ EE FI GE HU IS JP KE KG KP KR KZ LK LR
LS LT LV MD MG MK MN MW MX NO NZ PL RO RU SD SG SI SK TJ TM TR TT UA UG
UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM BF BJ CF CG CI CM GA
GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 21411

Fulltext Availability:

Claims

Claim

... converting the transformed values into integer values.

44 An article of manufacture comprising:

a) a **computer** usable medium having **computer** readable **program** code means **embedded** therein for compressing digitally sampled audio **data**, the **computer** readable **program** code means comprising:

i) means for **determining** a desired average **bit rate** ;

ii) means for performing a discrete wavelet transform on the digitally sampled data to obtain...

18/3,K/5 (Item 4 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00353668

MPEG ENCODER THAT CONCURRENTLY DETERMINES VIDEO DATA ENCODING FORMAT AND RATE CONTROL

CODEUR MPEG DETERMINANT DE MANIERE CONCURRENTTE LE FORMAT ET LE CONTROLE DE

LA CADENCE DE CODAGE DE DONNEES VIDEO

Patent Applicant/Assignee:

FUTURETEL INC,

Inventor(s):

MATURI Gregory V,

CHEN Sho Long,

BHARGAVA Vivek,

WANG Ren-Yuh,

TOM Richard H,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9636182 A1 19961114

Application: WO 96US6509 19960508 (PCT/WO US9606509)

Priority Application: US 95436514 19950508

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP KR AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 10579

Fulltext Availability:

Detailed Description

Detailed Description

... used in

determining the activity level and in normalizing the activity level, in establishing a **bit rate** for the compressed **digital video data** by **determining** mquant, and in establishing an **encoding format**

18/3,K/6 (Item 5 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00231341

MULTI-SPEAKER CONFERENCING OVER NARROWBAND CHANNELS

SYSTEME DE CONFERENCE A PLUSIEURS LOCUTEURS REALISE SUR DES VOIES A BANDE ETROITE

Patent Applicant/Assignee:

THE UNITED STATES OF AMERICA as represented by THE SECRETARY OF THE AIR FORCE,

Inventor(s):

CHAMPION Terrence Gerard,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9305595 A1 19930318

Application: WO 92US2048 19920312 (PCT/WO US9202048)

Priority Application: US 9121 19910912

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BR CA CH CS DE DK ES FI GB JP KR LU NL NO PL RU SE AT BE CH DE DK

ES FR GB GR IT LU MC NL SE

Publication Language: English

Fulltext Word Count: 12322

Fulltext Availability:

Claims

Claim

... voice systems.
29e k process for facilitating conferencing
between users of a plurality of digitally **encoded**
voice systems which each output **encoded digital**
signals at their own **data stream bit rates** wherein
said process comprises:
 measuring each of the particularly data
stream **bit rates** produced by each-of the digitally
encoded voice systems to produce thereby a set of...
?

show files

[File 344] **Chinese Patents Abs Jan 1985-2006/Jan**
(c) 2006 European Patent Office. All rights reserved.

[File 347] **JAPIO Dec 1976-2006/Jan(Updated 061009)**
(c) 2006 JPO & JAPIO. All rights reserved.

[File 350] **Derwent WPIX 1963-2006/UD=200670**
(c) 2006 The Thomson Corporation. All rights reserved.

**File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit <http://www.dialog.com/dwpi/>.*

```
; d s
Set      Items  Description
S1      1885865  (RECORD? ? OR TRACK??? OR MONITOR??? OR MEASUR??? OR MEASUREMENT? ? OR
METER??? OR COUNT??? OR QUANTIF? OR GAUG??? OR CALCULAT??? OR CALCULAT??? OR COMPUTE OR
COMPUTES OR COMPUTING OR DETERMIN? OR ESTIMAT??? OR ADD??? OR SUM?) (7N) (VALUE? ?
S2      760023  (ELECTRONIC? ? OR DIGITAL OR E OR COMPUTER? ?) (7N) (CONTENT? ? OR DATA OR
FILE? ? OR MEDIA OR GAME? ? OR CONTENT? ? OR MUSIC? ? OR FILM? ? OR MOVIE? ? OR SOFTWARE?
? OR SHOW? OR PROGRAM? OR FILM? ?) FROM 344, 347, 350
S3      25587   S2 (7N) (ENCOD? OR ENCRYPT? OR ENCOD??? OR ENC?PHER??? OR SECUR? OR
RESTRICT??? OR EMBED?) FROM 344, 347, 350
S4      22770   SAMPLE(7N) (SELECTION? ? OR CHOSEN OR SELECTED OR SPECIFY??? OR SPECIFIE? ?
OR DESIGNAT??? OR INDICAT??? OR STIPULAT??? OR PICK???) FROM 344, 347, 350
S5      153454  (PREDEFIN? OR PRE()DEFIN? OR PRE()DETERMIN? OR PREDETERMIN?) (7N) (TIME OR
DURATION OR PERIOD OR TIMEFRAME OR TIMESPAN OR TIME()FRAME OR TIME()SPAN) FROM 344, 347,
350
S6      17      INTERIM(3N)RATE? ? FROM 344, 347, 350
S7      17141   BIT(3N)RATE? ? FROM 344, 347, 350
S8      3352563  ALGORITHM? ? OR PROGRAM? ? OR SOFTWARE OR PROCESS OR PROCEDURE? ? FROM
344, 347, 350
S9      120     AU=(MILSTED, K? OR MILSTED K? OR GONG, Q? OR GONG Q?) FROM 344, 347, 350
S10     5       S S9 AND S1
S11     29      S S9 AND S2
S12     29      IDPAT (sorted in duplicate/non-duplicate order)
S13     25      IDPAT (primary/non-duplicate records only)
S14     5       S S13 AND S3
S15     4       S S14 NOT S10
S16     21      S S1 AND S3 AND S4
S17     95      S S1 AND S3 AND S5
S18     0       S S17 AND S6
S19     10      S S17 AND S7
S20     6       S S19 AND S8
```

? t /3,k/all

13/3,K/1 (Item 1 from file: 350) [Links](#)

Derwent WPIX

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0015959743 *Drawing available*

WPI Acc no: 2006-491410/200650

XRPX Acc No: N2006-396553

Matching method of complex nested data objects of relational database management system, involves determining match object identifier by recursive multilevel hashing

Patent Assignee: INT BUSINESS MACHINES CORP (IBM)

Inventor: LEHMAN C T; LU Q; MILSTED K L; NELSON K C; ZHAO T

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20060136390	A1	20060622	US 200421689	A	20041222	200650	B

Priority Applications (no., kind, date): US 200421689 A 20041222

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20060136390	A1	EN	25	11	

...
Inventor: MILSTED K L

Alerting Abstract ... computer-based system using multilevel hashing for lookup of complex nested objects; and **computer** usable medium storing **program** for matching complex nested objects...

Original Publication Data by Authority

...
Inventor name & address:

Milsted, Kenneth L

13/3,K/2 (Item 2 from file: 350) [Links](#)

Derwent WPIX

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0015752938 *Drawing available*

WPI Acc no: 2006-314711/200633

Related WPI Acc No: 2000-224113; 2001-523052; 2001-603816; 2002-338007; 2002-469860; 2003-016027; 2005-178917; 2005-743509; 2006-086186; 2006-328117

XRPX Acc No: N2006-267553

End-user-system for use in global distribution system, has multimedia interfaces that are opened so as to block each of the multimedia interfaces from recording of decrypted digital content

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: LISANKE M G; MILSTED K L; NUSSER S; TANTLINGER B A; WILHELM G W

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20060085343	A1	20060420	US 1998133519	A	19980813	200633	B
			US 1998177096	A	19981022		
			US 1999376102	A	19990817		
			US 2001938401	A	20010823		
			US 2005201809	A	20050811		

Priority Applications (no., kind, date): US 2001938401 A 20010823; US 1999376102 A 19990817; US 1998177096 A 19981022; US 1998133519 A 19980813; US 2005201809 A 20050811

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 20060085343	A1	EN	87	23	C-I-P of application	US 1998133519
					C-I-P of application	US 1998177096
					C-I-P of application	US 1999376102
					Division of application	US 2001938401
					C-I-P of patent	US 6226618
					C-I-P of patent	US 6389538
					C-I-P of patent	US 6611812

are opened so as to block each of the multimedia interfaces from recording of decrypted digital content ...

Inventor: MILSTED K L

Alerting Abstract ...NOVELTY - The system has multiple multimedia interfaces for recording a part of the encrypted

digital content (113) that is decrypted. A multimedia player for rendering the encrypted **digital content** is decrypted before the encrypted **digital content** is rendered. The multimedia interfaces are opened so as to block each of the multimedia interfaces from recording of the decrypted **digital content**.

...are opened so as to block each of the multimedia interfaces from recording the decrypted **digital content**, thus effectively determining which devices/applications are authorized and unauthorized to be active during the... 113
Encrypted **digital content**

Original Publication Data by Authority

...
Inventor name & address:

Milsted, Kenneth L

Original Abstracts:

A method, system and computer readable medium for the blocking of recording **digital content** at an end user multimedia end-user-system during the rendering of encrypted **digital** multimedia files. Before the process of rendering of encrypted **digital** multimedia can be started all rendered **media** stream during playback are opened to ensure that this multimedia content is not recorded. This...

Claims:

What is claimed is: 1. An end-user-system comprising: an interface to a storage **media** for storing encrypted **digital content**; a plurality of multimedia interfaces including at least one of wavein devices and ports... one of the multimedia interfaces is capable of recording at least part of the encrypted **digital content** which has decrypted; and a multimedia player for rendering the **encrypted digital** content which has been decrypted, wherein prior to the **encrypted digital** content being rendered, each of the multimedia interfaces are opened so as to block each of the multimedia interfaces from recording of the **decrypted digital** content.

13/3,K/3 (Item 3 from file: 350) [Links](#)

Derwent WPIX

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0015398373 *Drawing available*

WPI Acc no: 2005-743509/200576

Related WPI Acc No: 2000-224113; 2001-523052; 2001-603816; 2002-338007; 2002-469860; 2003-016027; 2005-178917; 2006-086186; 2006-314711; 2006-328117

XRPX Acc No: N2005-612911

Digital content preparation system for distribution through internet, has metadata acquisition tool for automatically filling data fields of metadata template, using mapping table to retrieve metadata for data fields

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: **GONG Q**; **MEDINA C**; **MILSTED K L**

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6959288	B1	20051025	US 1998113519	A	19980813	200576	B
			US 1998117096	A	19981022		
			US 1999241276	A	19990201		

Priority Applications (no., kind, date): US 1998117096 A 19981022; US 1998113519 A 19980813; US 1999241276 A 19990201

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 6959288	B1	EN	73	17	C-I-P of application	US 1998113519
					Division of application	US 1998117096
					C-I-P of patent	US 6226618
					Division of patent	US 6389538

Digital content preparation system for distribution through internet, has metadata acquisition tool for automatically filling data fields...

Original Titles:

Digital content preparation system

Inventor: **GONG Q**... **MILSTED K L**

Alerting Abstract ...template to locations within database, where corresponding metadata can be found. A processor processes the **digital content** by performing at least one of watermarking, encoding and encrypting.

... method for preparing **digital content**; **computer** readable medium storing **program** for preparing **digital content**;

metadata acquisition tool; and method for acquiring metadata and content usage conditions... .. USE - For preparing **digital content** such as print **media films, games**, television programs, multimedia and music for distribution through internet... .. ADVANTAGE - Enables user to manage a local library of **digital content**, without allowing a user to have access to the content other than purchased **content**, thereby ensuring protection and security of **digital contents** distributed electronically...

Original Publication Data by Authority

...
Inventor name & address:

Gong, Qing... ..Milsted, Kenneth Louis

Original Abstracts:

A **digital content** preparation system that includes a metadata acquisition tool for acquiring metadata associated with the **digital content**, and a **digital content** processor for processing the **digital content** by performing at least one of watermarking, encoding, and encrypting. A work flow manager manages processings by the metadata acquisition tool and the **digital content** processor. In one preferred embodiment, the metadata acquisition tool includes an automatic metadata acquisition tool and a manual metadata acquisition tool, and the **digital content** processor includes an encoder and an encrypter. The present invention also provides a method for preparing **digital content**. According to the method, metadata associated with the **digital content** is acquired, and the **digital content** is processed by at least one of watermarking, encoding, and encrypting. Processings in the acquiring... .. of at least a portion of the metadata, and the processing step includes encoding the **digital content** and encrypting the encoded **digital content**. >

Claims:

1. A digital content preparation system comprising: a metadata acquisition tool for acquiring metadata and content usage conditions, the metadata being associated with the digital content but not including the digital content itself; and a digital content processor for processing the digital content to produce processed digital content, the digital content processor including at least one of a watermarker for watermarking the digital content, an encoder for encoding the digital content, and an encrypter for encrypting the digital content, wherein the metadata acquisition tool includes an automatic metadata acquisition tool for automatically filling...

13/3,K/4 (Item 4 from file: 350) [Links](#)

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0014724590 *Drawing available*

WPI Acc no: 2005-072209/

XRPX Acc No: N2005-062197

Network-based audio compression method involves appending ending data from previous track and starting data from succeeding track, to each of audio information tracks extracted from pause or no-pause compact disk

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: HURTADO M M; KINDELL C; **MILSTED K L**; NGUYEN K D

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6832198	B1	20041214	US 2000606469	A	20000629	200508	B

Priority Applications (no., kind, date): US 2000606469 A 20000629

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6832198	B1	EN	13	6	

...
Inventor: **MILSTED K L**

Alerting Abstract ... **computer** readable medium storing audio compression **program**; method of reconstructing compressed audio information; audio extraction-compression node; and workstation

Original Publication Data by Authority

...
Inventor name & address:

Milsted, Kenneth L

Original Abstracts:

The present invention provides a system, **computer program** product and a method for overlapping boundary data of an audio information track which includes...

13/3,K/5 (Item 5 from file: 350) [Links](#)

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0014121671

WPI Acc no: 2004-306156/200429

XRPX Acc No: N2004-243781

Precisely Positioning method and device for power transmission line fault using multiple terminal signals

Patent Assignee: UNIV WUHAN (UYWU-N)

Inventor: CHEN Y; **GONG Q**; SHU N

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
CN 1474190	A	20040211	CN 2003125254	A	20030812	200429	B
CN 1228642	C	20051123				200652	E

Priority Applications (no., kind, date): CN 2003125254 A 20030812

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
CN 1474190	A	ZH		0	

...
Inventor: **GONG Q**

...positioning device for power transmission line includes voltage converter, current converter, GPS signal receiver board, **data** acquisition card and industrial control **computer**. The present invention can position fault in power transmission line precisely and in high robustness.

Original Publication Data by Authority

...
Inventor name & address:

GONG Q

13/3,K/6 (Item 6 from file: 350) [Links](#)

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0013974816 *Drawing available*

WPI Acc no: 2004-155672/

XRPX Acc No: N2004-124579

Client software changing system compares versions of applications running on client information processing systems, to determine new version

Patent Assignee: GONG Q (GONG-I); WANG H (WANG-I)

Inventor: **GONG Q**; WANG H

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20040015947	A1	20040122	US 1999251789	A	19990217	200415	B

Priority Applications (no., kind, date): US 1999251789 A 19990217

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 20040015947	A1	EN	9	5	

Inventor: **GONG Q**...

Alerting Abstract ... information processing device; information processing system; method for changing client **software**; **computer** readable storage medium storing client **software** changing **program**.

... USE - For changing **software** application in client **computer** connected to network like internet, intranet, Ethernet

Original Publication Data by Authority

Inventor name & address:

GONG, QING...

? t /3,k/all

15/3,K/1 (Item 1 from file: 350) [Links](#)

Derwent WPIX

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0015752938 *Drawing available*

WPI Acc no: 2006-314711/200633

Related WPI Acc No: 2000-224113; 2001-523052; 2001-603816; 2002-338007; 2002-469860; 2003-016027; 2005-178917; 2005-743509; 2006-086186; 2006-328117

XRFX Acc No: N2006-267553

End-user-system for use in global distribution system, has multimedia interfaces that are opened so as to block each of the multimedia interfaces from recording of decrypted digital content

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: LISANKE M G; **MILSTED K L**; NUSSER S; TANTLINGER B A; WILHELM G W

Patent-Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20060085343	A1	20060420	US 1998133519	A	19980813	200633	B
			US 1998177096	A	19981022		
			US 1999376102	A	19990817		
			US 2001938401	A	20010823		
			US 2005201809	A	20050811		

Priority Applications (no., kind, date): US 2001938401 A 20010823; US 1999376102 A 19990817; US 1998177096 A 19981022; US 1998133519 A 19980813; US 2005201809 A 20050811

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 20060085343	A1	EN	87	23	C-I-P of application	US 1998133519
					C-I-P of application	US 1998177096
					C-I-P of application	US 1999376102
					Division of application	US 2001938401
					C-I-P of patent	US 6226618
					C-I-P of patent	US 6389538
					C-I-P of patent	US 6611812

are opened so as to block each of the multimedia interfaces from recording of decrypted digital content ...

Inventor: **MILSTED K L**

Alerting Abstract ...NOVELTY - The system has multiple multimedia interfaces for recording a part of the **encrypted digital content** (113) that is decrypted. A multimedia player for rendering the **encrypted digital content** is decrypted before the **encrypted digital content** is rendered. The multimedia interfaces are opened so as to block each of the multimedia interfaces from recording of the decrypted **digital content**.

...are opened so as to block each of the multimedia interfaces from recording the decrypted **digital content**, thus effectively determining which devices/applications are authorized and unauthorized to be active during the... 113

Encrypted digital content

Original Publication Data by Authority

...
Inventor name & address:

Milsted, Kenneth L

Original Abstracts:

A method, system and computer readable medium for the blocking of recording **digital content** at an end user multimedia end-user-system during the rendering of **encrypted digital** multimedia files. Before the process of rendering of **encrypted digital** multimedia can be started all rendered **media** stream during playback are opened to ensure that this multimedia content is not recorded. This...

Claims:

What is claimed is: 1. An end-user-system comprising: an interface to a storage **media** for storing **encrypted digital content**; a plurality of multimedia interfaces including at least one of wavein devices and ports... least one of the multimedia interfaces is capable of recording at least part of the **encrypted digital content** which has decrypted; and a multimedia player for rendering **the encrypted digital** content which has been decrypted, wherein prior to **the encrypted digital** content being rendered, each of the multimedia interfaces are opened so as to block each of the multimedia interfaces from recording of the **decrypted digital** content.

15/3,K/2 (Item 2 from file: 350) [Links](#)

Derwent WPIX

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0015398373 *Drawing available*

WPI Acc no: 2005-743509/200576

Related WPI Acc No: 2000-224113; 2001-523052; 2001-603816; 2002-338007; 2002-469860; 2003-016027; 2005-178917; 2006-086186; 2006-314711; 2006-328117

XRPX Acc No: N2005-612911

Digital content preparation system for distribution through internet, has metadata acquisition tool for automatically filling data fields of metadata template, using mapping table to retrieve metadata for data fields

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: **GONG Q**; **MEDINA C**; **MILSTED K L**

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6959288	B1	20051025	US 1998113519	A	19980813	200576	B
			US 1998117096	A	19981022		
			US 1999241276	A	19990201		

Priority Applications (no., kind, date): US 1998117096 A 19981022; US 1998113519 A 19980813; US 1999241276 A 19990201

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 6959288	B1	EN	73	17	C-I-P of application	US 1998113519
					Division of application	US 1998117096
					C-I-P of patent	US 6226618
					Division of patent	US 6389538

Digital content preparation system for distribution through internet, has metadata acquisition tool for automatically filling data fields...

Original Titles:

Digital content preparation system

Inventor: **GONG Q**... **MILSTED K L**

Alerting Abstract ...template to locations within database, where corresponding metadata can be found. A processor processes the **digital content** by performing at least one of watermarking, **encoding** and encrypting.

... method for preparing **digital content**; **computer** readable medium storing **program** for preparing **digital content**;

metadata acquisition tool; and method for acquiring metadata and content usage conditions... USE - For preparing **digital content** such as print **media films**, **games**, television programs, multimedia and music for distribution through internet... ADVANTAGE - Enables user to manage a local library of **digital content**, without allowing a user to have access to the content other than purchased **content**, thereby ensuring protection and **security** of **digital contents** distributed electronically...

Original Publication Data by Authority

...
Inventor name & address:

Gong, Qing... Milsted, Kenneth Louis

Original Abstracts:

A **digital content** preparation system that includes a metadata acquisition tool for acquiring metadata associated with the **digital content**, and a **digital content** processor for processing the **digital content** by performing at least one of watermarking, **encoding**, and encrypting. A work flow manager manages processings by the metadata acquisition tool and the **digital content** processor. In one preferred embodiment, the metadata acquisition tool includes an automatic metadata acquisition tool and a manual metadata acquisition tool, and the **digital content** processor includes an **encoder** and an **encrypter**. The present invention also provides a method for preparing **digital content**. According to the method, metadata associated with the **digital content** is acquired, and the **digital content** is processed by at least one of watermarking, encoding, and encrypting. Processings in the acquiring... manual entry of at least a portion of the metadata, and the processing step includes **encoding** the **digital content** and **encrypting** the **encoded digital content**. >

Claims:

1. A digital content preparation system comprising: a metadata acquisition tool for acquiring metadata and content usage conditions, the metadata being associated with the digital content but not including the digital content itself; and a digital content processor for processing the digital content to produce processed digital content, the digital content processor including: at least one of a watermarker for watermarking the digital content, an encoder for encoding the digital content, and an encrypter for encrypting the digital content, wherein the metadata acquisition tool includes an automatic metadata acquisition tool for automatically filling...

15/3,K/3 (Item 3 from file: 350) [Links](#)

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0012939391 *Drawing available*

WPI Acc no: 2003-016027/200301

Related WPI Acc No: 2000-224113; 2001-523052; 2001-603816; 2002-338007; 2002-469860; 2005-178917; 2005-743509; 2006-086186; 2006-314711; 2006-328117

XRPX Acc No: N2003-011955

Digital multimedia content copyright protection method in Internet, involves opening input devices connected to end-user-system before decrypting and rendering multimedia content

Patent Assignee: IBM CORP (IBMC); IBM UK LTD (IBMC); INT BUSINESS MACHINES CORP (IBMC)

Inventor: LISANKE M; LISANKE M G; MILSTED K; MILSTED K L; NUSSER S; NUSSER S C C I U K L; TANTLINGER B; TANTLINGER B A; WILHELM; WILHELM G; WILHELM G W

Patent Family (9 patents, 100 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20020107803	A1	20020808	US 1998133519	A	19980813	200301	B
			US 1998177096	A	19981022		
			US 1999376102	A	19990817		
			US 2001938401	A	20010823		
WO 2003019553	A1	20030306	WO 2002GB3821	A	20020819	200319	E
EP 1421583	A1	20040526	EP 2002755205	A	20020819	200435	E
			WO 2002GB3821	A	20020819		
AU 2002321501	A1	20030310	AU 2002321501	A	20020819	200452	E
JP 2005501322	W	20050113	WO 2002GB3821	A	20020819	200506	E
			JP 2003522927	A	20020819		
EP 1421583	B1	20050518	EP 2002755205	A	20020819	200538	E
			WO 2002GB3821	A	20020819		
DE 60204227	E	20050623	DE 60204227	A	20020819	200543	E
			EP 2002755205	A	20020819		
			WO 2002GB3821	A	20020819		
DE 60204227	T2	20060126	DE 60204227	A	20020819	200611	E
			EP 2002755205	A	20020819		
			WO 2002GB3821	A	20020819		
CN 1703749	A	20051130	CN 2002816116	A	20020819	200636	E

Priority Applications (no., kind, date): US 1999376102 A 19990817; US 1998177096 A 19981022; US 1998133519 A 19980813; US 2001938401 A 20010823

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes

Original Publication Data by Authority

...

Inventor name & address:

MILSTED K.....MILSTED K L.....MILSTED K.....MILSTED, Kenneth.....MILSTED, Kenneth...
...Milsted, Kenneth L.....MILSTED, Kenneth

Original Abstracts:

A method, system and computer readable medium for the blocking of recording **digital content** at an end user multimedia end-user-system during the rendering of **encrypted digital multimedia files**. Before the process of rendering of **encrypted digital** multimedia can be started all devices and/or ports capable of capturing the rendered media... .. A method, system and computer readable medium for the blocking of recording **digital content** at an end user multimedia end-user-system during the rendering of **encrypted digital multimedia files**. Before the process of rendering of **encrypted digital** multimedia can be started all rendered **media** stream during playback are opened to ensure that this multimedia content is not recorded. This... .. A method, system and computer readable medium for the blocking of recording **digital content** at an end user multimedia end-user-system during the rendering of **encrypted digital multimedia files**. Before the process of rendering of **encrypted digital** multimedia can be started all devices and/or ports capable of capturing the rendered media...

16/3,K/17 (Item 17 from file: 350) [Links](#)
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0009114567 *Drawing available*
WPI Acc no: 1999-034285/199903
XRPX Acc No: N1999-025629

Digital signal encoding method for music synthesis system - involves comparing initial sample rate with sample rate of compared result of bandwidth of digital signal which is to be encoded and storing related code word in memory

Patent Assignee: TEXAS INSTR INC (TEXI)
Inventor: VANBUSKIRK J E

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5841387	A	19981124	US 1993116233	A	19930901	199903	B

Priority Applications (no., kind, date): US 1993116233 A 19930901

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5841387	A	EN	21	21	

Digital signal encoding method for music synthesis system...

Alerting Abstract ...16). A digital representation of the analog signal is stored in the memory and comprises **selected** number of digital words **determined by sample rate**. The **selected** number of digital words is distinguishable from the code word generated...

16/3,K/18 (Item 18 from file: 350) [Links](#)

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0008988346 *Drawing available*

WPI Acc no: 1998-543107/

XRPX Acc No: N1998-422799

Circuit for detecting and decoding phase encoded digital serial data - has timing circuit which uses edge of received phase-encoded digital data signal to indicate when to sample data from received data signal in signal viewer circuit which is coupled to logic circuitry

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: BOSNYAK R J; DROST R J

Patent Family (4 patents, 80 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 1998044689	A1	19981008	WO 1998US6027	A	19980327	199846	B
AU 199865887	A	19981022	AU 199865887	A	19980327	199910	E
EP 1013038	A1	20000628	EP 1998912085	A	19980327	200035	E
			WO 1998US6027	A	19980327		
US 6148038	A	20001114	US 1997828506	A	19970331	200060	E

Priority Applications (no., kind, date): US 1997828506 A 19970331

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 1998044689	A1	EN	39	10		
National Designated States,Original	AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW					
Regional Designated States,Original	AT BE CH DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 199865887	A	EN			Based on OPI patent	WO 1998044689
EP 1013038	A1	EN			PCT Application	WO 1998US6027
					Based on OPI patent	WO 1998044689
Regional Designated States,Original	AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					

Circuit for detecting and decoding phase encoded digital serial data -has timing circuit which uses edge of received phase-encoded digital data signal to indicate when to sample data from received data signal in signal

viewer circuit which is coupled to logic circuitry ...

Original Titles:

CIRCUIT FOR DETECTING AND DECODING PHASE ENCODED DIGITAL SERIAL DATA

... ..Circuit for detecting and decoding phase **encoded digital** serial **data**.

... ..**CIRCUIT FOR DETECTING AND DECODING PHASE ENCODED DIGITAL SERIAL DATA**

Alerting Abstract ...The decoder apparatus for decoding a phase-**encoded digital data** signal comprises a first delay line for receiving the phase-encoded data signal. A second... ..line operates at a different rate than the first delay line and receives the phase-**encoded digital data** signal. A decoder logic circuit is coupled to the first and second delay lines, and is configured to sample the phase-**encoded digital data** signal in the second delay line at times determined by the first delay line to extract a value **encoded** in the received phase-**encoded digital data** signal... ..coupled to the inputs of the first and second delay lines to produce the phase-**encoded digital data** signal from a transmitted signal, and includes jitter circuitry to eliminate jitter present in the received phase-**encoded digital data** signal. The synchronising circuit is one of a phase-locked loop and a delay-locked... ..**ADVANTAGE** - Optimises decoding of phase-**encoded digital data** with no clock signal by passing phase-**encoded** data through circuit elements.

Determines values encoded both quickly and accurately.

Original Publication Data by Authority

Original Abstracts:

A decoder circuit for decoding phase-**encoded digital data** signals includes a timing circuit and a signal viewer circuit coupled to logic circuitry. The timing circuit uses an edge of a received phase-**encoded digital data** signal to **indicate** when to **sample data** from the received phase-**encoded digital data** signal in the signal viewer circuit. The logic circuitry **determines the value encoded** in the phase-**encoded digital data** signal based on the sampled **data**.

... .. A decoder circuit for decoding phase-**encoded digital data** signals includes a timing circuit and a signal viewer circuit coupled to logic circuitry. The timing circuit uses an edge of a received phase-**encoded digital data** signal to **indicate** when to **sample data** from the received phase-**encoded digital data** signal in the signal viewer circuit. The logic circuitry **determines the value encoded** in the phase-**encoded digital data** signal based on the sampled **data**.

... .. A decoder circuit for decoding phase-**encoded digital data** signals includes a timing circuit and a signal viewer circuit coupled to logic circuitry. The timing circuit uses an edge of a received phase-**encoded digital data** signal to **indicate** when to **sample data** from the received phase-**encoded digital data** signal in the signal viewer circuit. The logic circuitry **determines the value encoded** in the phase-**encoded digital data** signal based on the sampled **data**.

Claims:

A decoder apparatus for decoding a phase-**encoded digital data** signal comprising: a first delay line receiving the phase-**encoded digital data** signal; a second delay line operating at a different rate than the first delay line and receiving the phase-**encoded digital data** signal; and a decoder logic circuit, coupled to the first and second delay lines, configured to sample the phase-**encoded digital data** signal in the second delay line at times determined by the first delay line to extract a value **encoded** in the received phase-**encoded digital data** signal.

16/3,K/21 (Item 21 from file: 350) [Links](#)

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0004664420 *Drawing available*

WPI Acc no: 1989-023620/

Digital image data error correction apparatus - encodes redundancy in blocks of data by assignment of check bits in terms of data magnitudes

Patent Assignee: EASTMAN KODAK CO (EAST)

Inventor: LIN S Y

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 4794600	A	19881227	US 198794622	A	19870909	198903	B

Priority Applications (no., kind, date): US 198794622 A 19870909

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 4794600	A	EN	16	9	

Alerting Abstract ...a device for assembling pixels into data blocks comprised of samples of pixels and for **determining** the spread in **values** of the samples to provide a **measure** of redundancy. A device recovers the samples from each of the data blocks, to provide second samples comprising second data blocks and **determines** the spread in **values** of the second samples to provide a second **measure** of redundancy... ..A device is provided for comparing the first **measure** of redundancy with the second **measure** of redundancy to provide an **indication** of a **sample** in error in second data block. A device **determines** the average **value** of the magnitudes of the samples not in error and replaces the sample in error...

Original Publication Data by Authority

Original Abstracts:

Correction of PCM **digital image data** by **encoding** of the redundancy present in blocks of the data may be subject to faulty encoding... .. to the redundancy represented by the received check bits, and its magnitude is used to **determine** the data in error. The **value** in error is replaced by the average of the data values in the same block.

19/3,K/1 (Item 1 from file: 350) [Links](#)
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0012288246 *Drawing available*

WPI Acc no: 2002-229227/

XRPX Acc No: N2002-176202

Subband audio encoder for the determination of quantization coefficients can determine a resultant value close to the expected value

Patent Assignee: ABE K (ABEK-I); FUJITA T (FUJI-I); KATAYAMA T (KATA-I) ; KAWAMURA A (KAWA-I); MATSUMOTO M (MATS-I); MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU); NISHIO K (NISH-I); SUEYOSHI M (SUEY-I)

Inventor: ABE K; FUJITA T; KATAYAMA T; KAWAMURA A; MATSUMOTO M; NISHIO K; SUEYOSHI M

Patent Family (3 patents, 28 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1139336	A2	20011004	EP 2001107978	A	20010329	200229	B
US 20010050959	A1	20011213	US 2001823728	A	20010330	200229	E
JP 2002141805	A	20020517	JP 200197675	A	20010329	200237	E

Priority Applications (no., kind, date): JP 200095931 A 20000330; JP 2000256512 A 20000825

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 1139336	A2	EN	44	17	
Regional Designated States,Original		AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR			
JP 2002141805	A	JA	29		

Subband audio encoder for the determination of quantization coefficients can determine a resultant value close to the expected value

Alerting Abstract ...NOVELTY - An input signal is sampled at a **predetermined time** interval to obtain sampled data on a temporal axis. The sampled data on the temporal... ..outputted as an encoded bit stream. The quantization coefficient for a specific sub band is **determined** so that the resultant **value** is substantially equal to the expected value of quantization for the specific sub band

DESCRIPTION - INDEPENDENT CLAIM are also included for a **program** causing a **computer** to execute an **encoding** process for outputting an input signal an encoded bit stream, a computer readable recording medium...

...ADVANTAGE - High audio quality even with bit stream of low **bit rate**.

Original Publication Data by Authority

Original Abstracts:

An encoder comprises an input device for sampling an input signal at **predetermined time** intervals to obtain sampled data on a temporal axis, a conversion device for converting the... .. resultant value of quantization as an encoded bit stream. The quantization device comprises an expected-**value-of-quantization** adjustment portion for **determining** an expected **value** of quantization for a specific sub-band on the frequency axis, and a quantization portion... .. coefficient for the specific sub-band. The quantization coefficient for the specific sub-band is **determined** so that a resultant **value** of quantization obtained by quantizing one spectral data selected from the plurality of spectral data... .. An encoder comprises an input device for sampling an input signal at **predetermined time** intervals to obtain sampled data on a temporal axis, a conversion device for converting the... .. resultant value of quantization as an encoded bit stream. The quantization device comprises an expected-**value-of-quantization** adjustment portion for **determining** an expected **value** of quantization for a specific sub-band on the frequency axis, and a quantization portion... .. coefficient for the specific sub-band. The quantization coefficient for the specific sub-band is **determined** so that a resultant **value** of quantization obtained by quantizing one spectral data selected from the plurality of spectral data...

Claims:

An encoder comprising: an input device for sampling an input signal at **predetermined time** intervals to obtain sampled data on a temporal axis; a conversion device for converting the... .. value of quantization as an encoded bit stream, wherein the quantization device comprises: an expected-**value-of-quantization** adjustment portion for **determining** an expected **value** of quantization for a specific sub-band on the frequency axis; and a quantization portion... .. for the specific sub-band, and the quantization coefficient for the specific sub-band is **determined** so that a resultant **value** of quantization obtained by quantizing one spectral data selected from the plurality of spectral data... .. claimed is: 1. An encoder comprising: an input device for sampling an input signal at **predetermined time** intervals to obtain sampled data on a temporal axis; a conversion device for converting the... .. value of quantization as an encoded bit stream, wherein the quantization device comprises: an expected-**value-of-quantization** adjustment portion for **determining** an expected **value** of quantization for a specific sub-band on the frequency axis; and a quantization portion... .. for the specific sub-band, and the quantization coefficient for the specific sub-band is **determined** so that a resultant **value** of quantization obtained by quantizing one spectral data selected from the plurality of spectral data...

19/3,K/2 (Item 2 from file: 350) [Links](#)

Derwent WPIX

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0010916147 *Drawing available*

WPI Acc no: 2001-537601/200160

XRPX Acc No: N2001-399363

Method of transcoding coded moving picture sequence by adapting quantization parameter

Patent Assignee: MEDIA GLUE CORP (MEDI-N); MEDIA GURU KK (MEDI-N); TOMINAGA H (TOMI-I)

Inventor: HANAMURA T; KASAI H; NISHIMURA S; TOMINAGA H

Patent Family (7 patents, 29 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1067798	A2	20010110	EP 2000305094	A	20000616	200160	B
AU 200042645	A	20010111	AU 200042645	A	20000623	200160	E
CA 2312359	A1	20001230	CA 2312359	A	20000621	200160	E
JP 2001078193	A	20010323	JP 1999260994	A	19990914	200160	E
JP 2001169283	A	20010622	JP 2000298894	A	20000929	200160	E
US 6587508	B1	20030701	US 2000604973	A	20000628	200345	E
AU 766868	B	20031023	AU 200042645	A	20000623	200381	E

Priority Applications (no., kind, date): JP 1999260994 A 19990914; JP 1999186457 A 19990630; JP 1999278867 A 19990930

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 1067798	A2	EN	52	19		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
CA 2312359	A1	EN				
JP 2001078193	A	JA	21			
JP 2001169283	A	JA	24			
AU 766868	B	EN			Previously issued patent	AU 200042645

Alerting Abstract ...sequence signal (b2), computing the remaining number of output bits and the target ratio and **computing** the scaling factor. **Computing** is by initializing the remaining number of input bits for the current picture, updating it...

...USE - Method is for converting MPEG-2 bit streams into lower **bit rates**.

Original Publication Data by Authority

Original Abstracts:

perform the rate control over the coded moving picture sequence signal having a desired target bit rate. The rate controller (110) of the apparatus has: a remaining bit computing unit (101) for computing: a... to the remaining number of inputting bits of the picture $R_{in}(n)$; and a scaling factor computing unit (105, 107) for computing the scaling factor ($Q2(j)$, QM) on the basis of the target ratio $ioRatio(n)$ to control the target bit rate of the second coded moving picture sequence signal $b2$... perform the rate control over the coded moving picture sequence signal having a desired target bit rate. The rate controller of the apparatus has: a remaining bit computing unit for computing: a remaining number... to the remaining number of inputting bits of the picture $R_{in}(n)$; and a scaling factor computing unit for computing the scaling factor on the basis of the target ratio to control the target bit rate of the second coded moving picture sequence signal.

Claims:

steps of:(a) inputting a first coded moving picture sequence signal ($b1$) at an input bit rate (Input... estimated number of inputting bits to be input in said inputting step (a) for a predetermined duration (T_a) on the basis of said input bit rate (Input... than said number of real inputting bits ($S_{in}(n)$) of said original picture data;(f) encoding said objective picture data obtained in said transforming step (e) to generate a second coded moving picture sequence signal ($b2$);(g) outputting said second coded moving picture sequence signal ($b2$) generated in said encoding step (f) at a target bit rate (Target... Bitrate) lower than said input bit rate (Input... estimated number of outputting bits to be output in said outputting step (g) for said predetermined duration (T_a) on the basis of said target bit rate (Target... before the present picture ($pic(n)$) is transformed in said transforming step (e); and(k) computing said scaling factor ($Q(j)$, $Q2(j)$, QM) on the basis of said target ratio ($ioRatio(n)$) computed in said target ratio computing step (j) to control said target bit rate (Target... the steps of:(a) inputting a first coded moving picture sequence signal at an input bit rate, said first coded moving picture sequence signal consisting of a series of pictures;(b) computing... estimated number of inputting bits to be input in said inputting step (a) for a predetermined duration on the basis of said input bit rate of said first coded moving picture sequence signal;(c) decoding said first coded moving picture... bits less than said number of real inputting bits of said original picture data;(f) encoding said objective picture data obtained in said transforming step (e) to generate a second coded moving picture sequence signal;(g) outputting said second coded moving picture sequence signal generated in said encoding step (f) at a target bit rate lower than said input bit rate of said first coded moving picture sequence signal;(h) computing an estimated number of outputting bits to be output in said outputting step (g) for said predetermined duration on the basis of said target bit rate of said second coded moving picture sequence signal;(i) computing, for each of said pictures... d) before the original picture data is transformed in said transforming step (e); and(k) computing said scaling factor on the basis of said target ratio computed in said target ratio computing step (j) to control said target bit rate of said second coded moving picture sequence signal.

19/3,K/3 (Item 3 from file: 350) [Links](#)

Derwent WPIX

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0010648664 *Drawing available*

WPI Acc no: 2001-256299/200126

Related WPI Acc No: 2002-236112; 2002-665945; 2004-327523; 2006-620292; 2006-633562

XRPX Acc No: N2001-182665

Content independent lossless data compression method, involves encoding input with lossless encoders, determining compression ratio, and selecting data block for output

Patent Assignee: REALTIME DATA LLC (REAL-N)

Inventor: FALLON J J

Patent Family (3 patents, 86 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6195024	B1	20010227	US 1998210491	A	19981211	200126	B
WO 2002039591	A1	20020516	WO 2000US42018	A	20001109	200239	NCE
AU 200130794	A	20020521	WO 2000US42018	A	20001109	200260	NCE
			AU 200130794	A	20001109		

Priority Applications (no., kind, date): US 1998210491 A 19981211; WO 2000US42018 A 20001109; AU 200130794 A 20001109

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 6195024	B1	EN	29	12		
WO 2002039591	A1	EN				
National Designated States,Original	AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW					
Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200130794	A	EN			PCT Application	WO 2000US42018
					Based on OPI patent	WO 2002039591

Alerting Abstract ...method achieves maximum compression in accordance with the real time or pseudo real time data rate constraint. The output bit rate is not fixed, and the amount of permissible data quality degradation is not

adaptable, but...

Original Publication Data by Authority

...

Original Abstracts:

highest compression ratio to enable subsequent decompression and data interpretation. Furthermore, a timer may be **added to measure** the time elapsed during the encoding process against an a priori-specified time limit. When... ... processing unit (60) will append a null descriptor. A timer (90) may be included to **measure** encoding **time** against a **predefined time** limit...

...

Claims:

provide a plurality of encoded data blocks;(d) counting the size of each of said **encoded data** blocks;(e) determining a lossless **data** compression ratio obtained for each of said **encoders** by taking the ratio of the size of said encoded data block output from said...

19/3,K/4 (Item 4 from file: 350) [Links](#)

Derwent WPIX

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0009321696 *Drawing available*

WPI Acc no: 1999-253185/199921

Related WPI Acc No: 1995-302303; 1996-128850; 1996-190239; 1997-108477; 1997-201657; 1997-310032; 1997-363162; 1997-470370; 1997-489151; 1998-192957; 1998-206901; 1998-260013; 1998-362018; 1998-398479; 1998-506106; 1998-594223; 1999-456442; 1999-632571; 2000-170717; 2000-181877; 2000-440677; 2000-671704; 2001-167509; 2001-234094; 2001-521137; 2002-162742; 2002-204215; 2002-456232; 2003-311054; 2006-611687
XRPX Acc No: N1999-188392

Digital video tape recorder (VTR) operating method for recording HDTV and SDTV signals in tape

Patent Assignee: HITACHI AMERICA LTD (HITA)

Inventor: AUGENBRUAN J E; BOYCE J M; LANE F A

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5887115	A	19990323	US 19934158	A	19930113	199921	B
			US 1994184716	A	19940121		
			US 1994228949	A	19940418		
			US 1994340683	A	19941116		

Priority Applications (no., kind, date): US 19934158 A 19930113; US 1994184716 A 19940121; US 1994228949 A 19940418; US 1994340683 A 19941116

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 5887115	A	EN	37	10	Continuation of application	US 19934158
					C-I-P of application	US 1994184716
					C-I-P of application	US 1994228949

...NOVELTY - The method involves receiving variable **rate bit** stream including **encoded digital video data** and **measuring** its average **data rate** for **predetermined time period**. The **encoded digital video data contents** are modified and a fixed **rate bit** stream having average data **rate** lower than **measured averaged data rate** and equal to recording **rates** of VTR, is generated.

Original Publication Data by Authority

...

Original Abstracts:

a digital video tape recorder are disclosed. The methods include buffering of the received variable **rate** data, **measuring** the data **rate** of the received data for a fixed period of time and processing the buffered data...

...

Claims:

recording rates, the method comprising the steps of:receiving a first bitstream having a data **content** that includes a first **set** of **encoded digital video data**;**measuring** the average **data rate** of the first bitstream for a preselected period of time;modifying the data content of the first bitstream as a **function** of said **measured** average data **rate**, to generate from the data content of the first bitstream a fixed rate bitstream, the fixed rate bitstream having a fixed data **rate** that is lower than the **measured** average data **rate** and equal to one of the plurality of recording rates of the digital video tape recorder; andrecording the **encoded digital video data** included in the fixed rate bitstream on a tape at said one of the plurality...

19/3,K/5 (Item 5 from file: 350) [Links](#)

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0008903216 *Drawing available*

WPI Acc no: 1998-452900/199839

Related WPI Acc No: 1998-452901

XRPX Acc No: N1998-353805

Encoding signal transmission method for television broadcasting - involves controlling storage capacity of encoded signal in transmitting buffer depending on encoding bit rate and transmitting encoded signal at variable bit rate

Patent Assignee: SONY CORP (SONY)

Inventor: KATO M; KOYANAGI H

Patent Family (3 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 10190745	A	19980721	JP 199738053	A	19970221	199839	B
US 6160915	A	20001212	US 1997958589	A	19971029	200067	E
US 6188700	B1	20010213	US 1997958569	A	19971028	200111	E

Priority Applications (no., kind, date): JP 1996295477 A 19961107

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 10190745	A	JA	17	9	

...

involves controlling storage capacity of encoded signal in transmitting buffer depending on encoding bit rate and transmitting encoded signal at variable bit rate

Alerting Abstract ...it in a transmitting buffer (53). After which the stored signal is transmitted at variable **bit rate**.

... ..storage capacity of encoded signal in the transmitting buffer is controlled depending on the encoding **bit rate** (RT). A coding buffer for controlling **bit rate** is included in the transmitting buffer

Original Publication Data by Authority

...

Original Abstracts:

without overflow or underflow of a buffer in a decoder system even if a transmission **bit rate** is changed. In particular, when coding and transmitting a digital signal at a variable **bit rate**, a size of an encoder buffer for temporarily storing a coded signal in an encoder system is controlled according to a coding **bit rate** from a terminal. The encoder buffer has a code buffer to be used for rate... ..size of a decoder system supplied from a terminal, a maximum value of a coding **bit rate** supplied from a terminal, and a current **bit rate**.

... ..breakage of a buffer on the side of a decoder system even when the transmission **bit rate** is changed. In encoding and transmitting a digital signal at a variable **bit rate**, an encoder buffer for temporarily storing an encoded signal on the side of an encoder... ..for rate control, with the size of the code buffer being constant, and after a **predetermined delay time** from when the encoding **bit rate** is altered, an output **bit rate** from the encoder buffer is altered to a new value of the encoding **bit rate**.

Claims:

A coded signal transmission method for coding and transmitting a digital signal at a variable **bit rate**, comprising the step of:controlling a size of a transmission buffer for temporarily storing a coded signal according to a coding **bit rate**;**determining** an assigned **bit** amount of a subsequent picture to be coded in accordance with a bit amount of a coded picture generated from an encoder; anddetermining an **output bit rate** based on said **coding bit rate**;wherein said step of controlling said size of said transmission buffer includes the step of varying the transmission buffer size based on the **output bit rate** and the **assigned bit amount**... .. An encoded signal transmission apparatus **for** encoding and transmitting **a digital** data signal at a **variable bit rate**, the apparatus comprising:**an** encoder for receiving **and** encoding **a digital** data signal at a **variable** encoding rate to generate an encoded signal;a transmission buffer for storing said encoded signal...

19/3,K/6 (Item 6 from file: 350) [Links](#)

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0008496028 *Drawing available*

WPI Acc no: 1998-026240/199803

XRPX Acc No: N1998-020781

Encoded video data recording/reproducing apparatus e.g. VTR - calculates insufficient space in recording medium and changes encoding bit rate of encoder, decoder based on the calculated value

Patent Assignee: HITACHI LTD (HITA)

Inventor: NODA M

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 9284715	A	19971031	JP 199698602	A	19960419	199803	B

Priority Applications (no., kind, date): JP 199698602 A 19960419

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 9284715	A	JA	8	4	

Encoded video data recording/reproducing apparatus e.g. VTR... ..calculates insufficient space in recording medium and changes encoding bit rate of encoder, decoder based on the calculated value

Alerting Abstract ...A time input unit inputs predetermined time for video tape recording process. Standard encoding bit rate value is obtained from the digital codec. When data is to be recorded in the recording medium, an insufficient space calculator (8) computes an inlet corresponding to degree of insufficient space. A bit rate set up unit (9) changes the encoding bit rate based on the output of the insufficient space calculator...

19/3,K/7 (Item 7 from file: 350) [Links](#)

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0008396640 *Drawing available*

WPI Acc no: 1997-513065/

XRPX Acc No: N1997-427075

Data transmission method in digital data transmission system - transmitting data in digital data transmission system and monitoring rate of data input to encoder buffer to determine decoder buffer requirements downstream from encoder buffer, which has rate of data output delayed by preset time period

Patent Assignee: NDS LTD (NDSN-N)

Inventor: BUDGE M R J; JORDAN J

Patent Family (3 patents, 19 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 1997038532	A1	19971016	WO 1997GB948	A	19970404	199747	B
EP 891673	A1	19990120	EP 1997915597	A	19970404	199908	E
			WO 1997GB948	A	19970404		
JP 2001502125	W	20010213	JP 1997535959	A	19970404	200112	E
			WO 1997GB948	A	19970404		

Priority Applications (no., kind, date): GB 19967162 A 19960404

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 1997038532	A1	EN	25	8		
National Designated States,Original	JP US					
Regional Designated States,Original	AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
EP 891673	A1	EN			PCT Application	WO 1997GB948
					Based on OPI patent	WO 1997038532
Regional Designated States,Original	DE FR GB NL					
JP 2001502125	W	JA	39		PCT Application	WO 1997GB948
					Based on OPI patent	WO 1997038532

...

transmitting data in digital data transmission system and monitoring rate of data input to encoder buffer to determine decoder buffer requirements downstream from encoder buffer, which has rate of data output delayed by...

Alerting Abstract ...The method involves transmitting (TX) data in a digital data transmission system, and **monitoring** the **rate** of data input to an encoder buffer, to determine the decoder buffer requirements downstream from the encoder buffer. The encoder buffer is controlled in response to the **monitoring** procedure to delay a change in the **rate** of data output from the encoder by a **predetermined time period**, relative to any change in the rate of data input to the encoder buffer... ...ADVANTAGE - For improvement in data transmission, particularly in transmission of digitally encoded data. Instantly changes **bit rate** in seamless manner.

Original Publication Data by Authority

Original Abstracts:

a method of changing the throughput of data in a digital data transmission system, comprising, **monitoring** the **rate** of data input to an encoder buffer to determine the decoder buffer requirements downstream; and controlling the encoder buffer in response to the **monitoring** step such that a change in the **rate** of data output from the encoder is lagged by a **predetermined time period** from any change in rate of data input to the encoder buffer. This predictive technique... ...
a method of changing the throughput of data in a digital data transmission system, comprising, **monitoring** the **rate** of data input to an encoder buffer to determine the decoder buffer requirements downstream; and controlling the encoder buffer in response to the **monitoring** step such that a change in the **rate** of data output from the encoder is lagged by a **predetermined time period** from any change in rate of data input to the encoder buffer. This predictive technique...

19/3,K/9 (Item 9 from file: 350) [Links](#)

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0008124956 *Drawing available*

WPI Acc no: 1997-224199/

XRPX Acc No: N1997-185631

Variable bit rate encoder for digital image data - has bit rate quota component which determines bit rate for every unit time so that entire clarity of desired evaluation value that divides digital image data for every predetermined time becomes optimum

Patent Assignee: KOKUSAI DENSHIN DENWA CO LTD (KOKU)

Inventor: HAMADA T; MATSUMOTO S

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 9070041	A	19970311	JP 1995243953	A	19950830	199720	B

Priority Applications (no., kind, date): JP 1995243953 A 19950830

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 9070041	A	JA	10	11	

Variable bit rate encoder for digital image data -has bit rate quota component which determines bit rate for every unit time so that entire clarity of desired evaluation value that divides digital image data for every predetermined time becomes optimum

Original Titles:

VARIABLE BIT RATE CODER

Alerting Abstract ...has a subjective evaluation component (4) which obtains a subjective evaluation value that divides a **digital image data** for every **predetermined time** corresponding to different **encoding bit rate** for every unit time... ..A mean **bit rate** becomes below a desired value based on the obtained subjective evaluation **value**. A **bit rate** quota component (5) **determines the bit rate** for every unit time so that the evaluation value of an entire clarity becomes optimum... ..ADVANTAGE - Encodes entire optimum clarity, maintaining **bit rate** at predetermined value. Improves mean clarity of digital video data.

20/3,K/1 (Item 1 from file: 350) [Links](#)

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0012288246 *Drawing available*

WPI Acc no: 2002-229227/

XRPX Acc No: N2002-176202

Subband audio encoder for the determination of quantization coefficients can determine a resultant value close to the expected value

Patent Assignee: ABE K (ABEK-I); FUJITA T (FUJI-I); KATAYAMA T (KATA-I) ; KAWAMURA A (KAWA-I); MATSUMOTO M (MATS-I); MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU); NISHIO K (NISH-I); SUEYOSHI M (SUEY-I)

Inventor: ABE K; FUJITA T; KATAYAMA T; KAWAMURA A; MATSUMOTO M; NISHIO K; SUEYOSHI M

Patent Family (3 patents, 28 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1139336	A2	20011004	EP 2001107978	A	20010329	200229	B
US 20010050959	A1	20011213	US 2001823728	A	20010330	200229	E
JP 2002141805	A	20020517	JP 200197675	A	20010329	200237	E

Priority Applications (no., kind, date): JP 200095931 A 20000330; JP 2000256512 A 20000825

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 1139336	A2	EN	44	17	
Regional Designated States,Original		AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR			
JP 2002141805	A	JA	29		

Subband audio encoder for the determination of quantization coefficients can determine a resultant value close to the expected value

Alerting Abstract ...NOVELTY - An input signal is sampled at a **predetermined time** interval to obtain sampled data on a temporal axis. The sampled data on the temporal... ..outputted as an encoded bit stream. The quantization coefficient for a specific sub band is **determined** so that the resultant **value** is substantially equal to the expected value of quantization for the specific sub band

DESCRIPTION - INDEPENDENT CLAIM are also included for a **program** causing a **computer** to execute an **encoding process** for outputting an input signal an encoded bit stream, a computer readable recording medium and...

...ADVANTAGE - High audio quality even with bit stream of low **bit rate**.

Original Publication Data by Authority

Original Abstracts:

An encoder comprises an input device for sampling an input signal at **predetermined time** intervals to obtain sampled data on a temporal axis, a conversion device for converting the... .. resultant value of quantization as an encoded bit stream. The quantization device comprises an expected-**value-of-quantization** adjustment portion for **determining** an expected **value** of quantization for a specific sub-band on the frequency axis, and a quantization portion... .. coefficient for the specific sub-band. The quantization coefficient for the specific sub-band is **determined** so that a resultant **value** of quantization obtained by quantizing one spectral data selected from the plurality of spectral data... .. An encoder comprises an input device for sampling an input signal at **predetermined time** intervals to obtain sampled data on a temporal axis, a conversion device for converting the... .. resultant value of quantization as an encoded bit stream. The quantization device comprises an expected-**value-of-quantization** adjustment portion for **determining** an expected **value** of quantization for a specific sub-band on the frequency axis, and a quantization portion... .. coefficient for the specific sub-band. The quantization coefficient for the specific sub-band is **determined** so that a resultant **value** of quantization obtained by quantizing one spectral data selected from the plurality of spectral data...

Claims:

An encoder comprising: an input device for sampling an input signal at **predetermined time** intervals to obtain sampled data on a temporal axis; a conversion device for converting the... .. value of quantization as an encoded bit stream, wherein the quantization device comprises: an expected-**value-of-quantization** adjustment portion for **determining** an expected **value** of quantization for a specific sub-band on the frequency axis; and a quantization portion... .. for the specific sub-band, and the quantization coefficient for the specific sub-band is **determined** so that a resultant **value** of quantization obtained by quantizing one spectral data selected from the plurality of spectral data... .. claimed is: 1. An encoder comprising: an input device for sampling an input signal at **predetermined time** intervals to obtain sampled data on a temporal axis; a conversion device for converting the... .. value of quantization as an encoded bit stream, wherein the quantization device comprises: an expected-**value-of-quantization** adjustment portion for **determining** an expected **value** of quantization for a specific sub-band on the frequency axis; and a quantization portion... .. for the specific sub-band, and the quantization coefficient for the specific sub-band is **determined** so that a resultant **value** of quantization obtained by quantizing one spectral data selected from the plurality of spectral data...

20/3,K/2 (Item 2 from file: 350) [Links](#)

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0010916147 *Drawing available*

WPI Acc no: 2001-537601/200160

XRPX Acc No: N2001-399363

Method of transcoding coded moving picture sequence by adapting quantization parameter

Patent Assignee: MEDIA GLUE CORP (MEDI-N); MEDIA GURU KK (MEDI-N); TOMINAGA H (TOMI-I)

Inventor: HANAMURA T; KASAI H; NISHIMURA S; TOMINAGA H

Patent Family (7 patents, 29 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1067798	A2	20010110	EP 2000305094	A	20000616	200160	B
AU 200042645	A	20010111	AU 200042645	A	20000623	200160	E
CA 2312359	A1	20001230	CA 2312359	A	20000621	200160	E
JP 2001078193	A	20010323	JP 1999260994	A	19990914	200160	E
JP 2001169283	A	20010622	JP 2000298894	A	20000929	200160	E
US 6587508	B1	20030701	US 2000604973	A	20000628	200345	E
AU 766868	B	20031023	AU 200042645	A	20000623	200381	E

Priority Applications (no., kind, date): JP 1999260994 A 19990914; JP 1999186457 A 19990630; JP 1999278867 A 19990930

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 1067798	A2	EN	52	19		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
CA 2312359	A1	EN				
JP 2001078193	A	JA	21			
JP 2001169283	A	JA	24			
AU 766868	B	EN			Previously issued patent	AU 200042645

...

Original Titles:

Apparatus, method and computer **program** product for transcoding a coded moving picture sequence... ..MOVING IMAGE COMPRESSION ENCODING SIGNAL CONVERSION METHOD AND DEVICE AND MEDIUM RECORDING CONVERSION **PROGRAM**

... ..Apparatus, method and computer **program** product for transcoding a coded moving picture sequence

Alerting Abstract ...sequence signal (b2), computing the remaining number of output bits and the target ratio and **computing** the scaling factor. **Computing** is by initializing the remaining number of input bits for the current picture, updating it...

...There are **INDEPENDENT CLAIMS** for (1) a coded moving picture sequence transcoder, (2) a computer **program** and (3) a **program memory** ... **USE - Method** is for converting MPEG-2 bit streams into lower **bit rates**.

Original Publication Data by Authority

Original Abstracts:

perform the rate control over the coded moving picture sequence signal having a desired target **bit rate**. The **rate controller** (110) of the apparatus has: a remaining bit computing unit (101) for computing: a... to the remaining number of inputting bits of the picture **Rin(n)**; and a **scaling factor computing** unit (105, 107) for **computing** the scaling factor (**Q2(j)**, **QM**) on the basis of the target ratio **ioRatio(n)** to control the target **bit rate** of the second coded moving picture sequence signal **b2**... **perform the rate control over the coded moving picture sequence signal having a desired target bit rate**. The rate controller of the apparatus has: a remaining bit computing unit for computing: a remaining number... to the remaining number of inputting bits of the picture **Rin(n)**; and a scaling factor computing unit for computing the scaling factor on the basis of the target ratio to control the target bit rate of the second coded moving picture sequence signal.

Claims:

steps of:(a) inputting a first coded moving picture sequence signal (**b1**) at an input bit rate (**Input**... **estimated number of inputting bits to be input in said inputting step (a) for a predetermined duration (Ta) on the basis of said input bit rate (Input**... **than said number of real inputting bits (Sin(n)) of said original picture data**;(f) encoding said objective picture data obtained in said transforming step (e) to generate a second coded moving picture sequence signal (**b2**);(g) outputting said second coded moving picture sequence signal (**b2**) generated in said encoding step (f) at a target bit rate (**Target**... **Bitrate**) lower than said input bit rate (**Input**... **estimated number of outputting bits to be output in said outputting step (g) for said predetermined duration (Ta) on the basis of said target bit rate (Target**... **before the present picture (pic(n)) is transformed in said transforming step (e); and(k) computing said scaling factor (Q(j), Q2(j), QM) on the basis of said target ratio (ioRatio(n)) computed in said target ratio computing step (j) to control said target bit rate (Target**... **the steps of:(a) inputting a first coded moving picture sequence signal at an input bit rate, said first coded moving picture sequence signal consisting of a series of pictures**;(b) computing... **estimated number of inputting bits to be input in said inputting step (a) for a predetermined duration on the basis of said input bit rate of said first coded moving picture sequence signal**;(c) decoding said first coded moving picture... **bits less than said number of real inputting bits of said original picture data**;(f) encoding said objective picture data obtained in said transforming step (e) to generate a second coded moving picture sequence signal;(g) outputting said second coded moving picture sequence signal generated in said encoding step (f) at a target bit rate lower than said input bit rate of said first coded moving picture sequence signal;(h) computing an estimated number of outputting bits to be output in said outputting step (g) for said predetermined duration on the basis of said target bit rate of said second coded moving picture sequence signal;(i) computing, for each of said pictures... **d) before the original picture data is transformed in said transforming step (e); and(k) computing said scaling factor on the basis of said target ratio computed in said target ratio computing step (j) to control said target bit rate of said second coded moving picture sequence signal**.

20/3,K/3 (Item 3 from file: 350) [Links](#)

Derwent WPIX

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0010648664 *Drawing available*

WPI Acc no: 2001-256299/200126

Related WPI Acc No: 2002-236112; 2002-665945; 2004-327523; 2006-620292; 2006-633562

XRPX Acc No: N2001-182665

Content independent lossless data compression method, involves encoding input with lossless encoders, determining compression ratio, and selecting data block for output

Patent Assignee: REALTIME DATA LLC (REAL-N)

Inventor: FALLON J J

Patent Family (3 patents, 86 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6195024	B1	20010227	US 1998210491	A	19981211	200126	B
WO 2002039591	A1	20020516	WO 2000US42018	A	20001109	200239	NCE
AU 200130794	A	20020521	WO 2000US42018	A	20001109	200260	NCE
			AU 200130794	A	20001109		

Priority Applications (no., kind, date): US 1998210491 A 19981211; WO 2000US42018 A 20001109; AU 200130794 A 20001109

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 6195024	B1	EN	29	12		
WO 2002039591	A1	EN				
National Designated States,Original	AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW					
Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200130794	A	EN			PCT Application	WO 2000US42018
					Based on OPI patent	WO 2002039591

Alerting Abstract ...method achieves maximum compression in accordance with the real time or pseudo real time data **rate** constraint. The output **bit rate** is not fixed, and the amount of permissible data quality degradation is not

adaptable, but...

Original Publication Data by Authority

...

Original Abstracts:

highest compression ratio to enable subsequent decompression and data interpretation. Furthermore, a timer may be **added** to **measure** the time elapsed during the encoding **process** against an a priori-specified time limit. When the time limit expires, only the data output from those encoders that have completed the encoding **process** are compared. The encoded data with the highest compression ratio is selected for data processing... .. processing unit (60) will append a null descriptor. A timer (90) may be included to **measure** encoding **time** against a **predefined time** limit...

...

Claims:

provide a plurality of encoded data blocks;(d) counting the size of each of said **encoded data** blocks;(e) determining a lossless **data** compression ratio obtained for each of said **encoders** by taking the ratio of the size of said encoded data block output from said...

? show files

[File 135] **NewsRx Weekly Reports** 1995-2006/Oct W5
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[File 583] **Gale Group Globalbase(TM)** 1986-2002/Dec 13
(c) 2002 The Gale Group. All rights reserved.
**File 583: This file is no longer updating as of 12-13-2002.*

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[File 2] **INSPEC** 1898-2006/Oct W4
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[File 144] **Pascal** 1973-2006/Oct W2
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[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2006/Sep
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; d s

Set	Items	Description
S1	4576059	(RECORD? ? OR TRACK??? OR MONITOR??? OR MEASUR??? OR MEASUREMENT? ? OR METER??? OR COUNT??? OR QUANTIF? OR GAUG??? OR CALCULAT??? OR CALCULAT??? OR COMPUTE OR COMPUTES OR COMPUTING OR DETERMIN? OR ESTIMAT??? OR ADD??? OR SUM?) (7N) (VALUE? ?
S2	678505	(ELECTRONIC? ? OR DIGITAL OR E OR COMPUTER? ?) (7N) (CONTENT? ? OR DATA OR FILE? ? OR MEDIA OR GAME? ? OR CONTENT? ? OR MUSIC? ? OR FILM? ? OR MOVIE? ? OR SOFTWARE? ? OR SHOW? OR PROGRAM? OR FILM? ?) FROM 135, 583, 65, 2, 144, 474, 475, 99
S3	15914	S2(7N) (ENCOD? OR ENCRYPT? OR ENCOD??? OR ENC?PHER??? OR SECUR? OR RESTRICT??? OR EMBED?) FROM 135, 583, 65, 2, 144, 474, 475, 99
S4	18170	SAMPLE(7N) (SELECTION? ? OR CHOSEN OR SELECTED OR SPECIFY??? OR SPECIFIE? ? OR DESIGNAT??? OR INDICAT??? OR STIPULAT??? OR PICK???) FROM 135, 583, 65, 2, 144, 474, 475, 99
S5	2677	(PREDEFIN? OR PRE()DEFIN? OR PRE()DETERMIN? OR PREDETERMIN?) (7N) (TIME OR DURATION OR PERIOD OR TIMEFRAME OR TIMESPAN OR TIME()FRAME OR TIME()SPAN) FROM 135, 583, 65, 2, 144, 474, 475, 99
S6	292	INTERIM(3N)RATE? ? FROM 135, 583, 65, 2, 144, 474, 475, 99
S7	52666	BIT(3N)RATE? ? FROM 135, 583, 65, 2, 144, 474, 475, 99
S8	4820661	ALGORITHM? ? OR PROGRAM? ? OR SOFTWARE OR PROCESS OR PROCEDURE? ? FROM 135, 583, 65, 2, 144, 474, 475, 99
S9	578	AU=(MILSTED, K? OR MILSTED K? OR GONG, Q? OR GONG Q?) FROM 135, 583, 65, 2, 144, 474, 475, 99
S10	126	S S9 AND S1
S11	2	S S10 AND S2

S12	104851	S S1 AND S2
S13	1188	S S12 AND S3
S14	1	S S13 AND S4
S15	45	S S12 AND S5
S16	42	RD (unique items)
S17	28	S S16 NOT PY>1998
S18	0	S S13 AND S6
S19	18	S S13 AND S7
S20	9	S S19 AND S8

YPE 7623817/full from 2

7623817/9 (Direct type from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)

INSPEC

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07623817 **INSPEC Abstract Number:** A2000-15-6865-002, B2000-08-2530C-005

Title: Analysis of atomic force microscopic results of InAs quantum dots

Author Gong Qian; Liang Jiben; Xu Bo; Ding Ding; Wang Zhanguo; Qiu Xiaohui; Shang Guangyi; Bai Chunli

Author Affiliation: Inst. of Semicond., Acad. Sinica, Beijing, China

Journal: Chinese Journal of Semiconductors vol.20, no.8 p. 662, 665-6

Publisher: Science Press ,

Publication Date: Aug. 1999 **Country of Publication:** China

CODEN: PTTPDZ **ISSN:** 0253-4177

SICI: 0253-4177(199908)20:8L:662:AAFM;1-M

Material Identity Number: A658-2000-004

Language: Chinese **Document Type:** Journal Paper (JP)

Treatment: Theoretical (T); Experimental (X)

Abstract: Atomic force microscopy (AFM) measurements of nanometer islands formed by 1.8 monolayers InAs by molecular beam epitaxy have been carried out. The statistical distribution of lateral size and height of the grown dots was obtained by a computer program. A simple model is proposed to analyze the deviation of the measured value from the real value of the base-width of InAs islands. (11 Refs)

Subfile: A B

Descriptors: atomic force microscopy; digital simulation; III-V semiconductors; indium compounds; island structure; nanostructured materials; particle size; semiconductor epitaxial layers; semiconductor quantum dots

Identifiers: atomic force microscopy; InAs quantum dots; AFM; nanometer islands; monolayers; molecular beam epitaxy; statistical distribution; lateral size; height; InAs

Class Codes: A6865 (Low-dimensional structures: growth, structure and nonelectronic properties); A6820 (Solid surface structure); A6146 (Structure of solid clusters, nanoparticles, and nanostructured materials); A6185 (Modelling and computer simulation of solid structure); B2530C (Semiconductor superlattices, quantum wells and related structures)

Chemical Indexing:

InAs int - As int - In int - InAs bin - As bin - In bin (Elements - 2)

InAs sur - As sur - In sur - InAs bin - As bin - In bin (Elements - 2)

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7623817/9 (Direct type from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)
INSPEC

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07623817 **INSPEC Abstract Number:** A2000-15-6865-002, B2000-08-2530C-005

Title: Analysis of atomic force microscopic results of InAs quantum dots

Author Gong Qian; Liang Jiben; Xu Bo; Ding Ding; Wang Zhanguo; Qiu Xiaohui; Shang Guangyi; Bai Chunli

Author Affiliation: Inst. of Semicond., Acad. Sinica, Beijing, China

Journal: Chinese Journal of Semiconductors vol.20, no.8 p: 662, 665-6

Publisher: Science Press,

Publication Date: Aug. 1999 **Country of Publication:** China

CODEN: PTPDZ **ISSN:** 0253-4177

SICI: 0253-4177(199908)20:8L:662:AAFM;1-M

Material Identity Number: A658-2000-004

Language: Chinese **Document Type:** Journal Paper (JP)

Treatment: Theoretical (T); Experimental (X)

Abstract: Atomic force microscopy (AFM) measurements of nanometer islands formed by 1.8 monolayers InAs by molecular beam epitaxy have been carried out. The statistical distribution of lateral size and height of the grown dots was obtained by a computer program. A simple model is proposed to analyze the deviation of the measured value from the real value of the base-width of InAs islands. (11 Refs)

Subfile: A B

Descriptors: atomic force microscopy; digital simulation; III-V semiconductors; indium compounds; island structure; nanostructured materials; particle size; semiconductor epitaxial layers; semiconductor quantum dots

Identifiers: atomic force microscopy; InAs quantum dots; AFM; nanometer islands; monolayers; molecular beam epitaxy; statistical distribution; lateral size; height; InAs

Class Codes: A6865 (Low-dimensional structures: growth, structure and nonelectronic properties); A6820 (Solid surface structure); A6146 (Structure of solid clusters, nanoparticles, and nanostructured materials); A6185 (Modelling and computer simulation of solid structure); B2530C (Semiconductor superlattices, quantum wells and related structures)

Chemical Indexing:

InAs int - As int - In int - InAs bin - As bin - In bin (Elements - 2)

InAs sur - As sur - In sur - InAs bin - As bin - In bin (Elements - 2)

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Pascal

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15666179 PASCAL No.: 02-0372363

Print versus electronic surveys: A comparison of two data collection methodologies

BOYER K K; OLSON J R; CALANTONE R J; JACKSON E C
Dept. of Mktg./Supply Chain Mgmt. Eli Broad Graduate School of Mgmt.
Michigan State University, East Lansing, MI 48824-1122, United States
Journal: Journal of Operations Management,
2002, 20 (4)
357-373

ISSN: 0272-6963 CODEN: JOTMES Availability: INIST-XXXX

No. of Refs.: 32 Refs.

Document Type: P (Serial) ; A (Analytic)

Country of Publication: United States

Language: English

This paper compares the responses of consumers who submitted answers to a survey instrument focusing on Internet purchasing patterns both electronically and using traditional paper response methods. We present the results of a controlled experiment within a larger data collection effort. The same survey instrument was completed by 416 Internet customers of a major office supplies company, with approximately 60% receiving the survey in paper form and 40% receiving the electronic version. In order to evaluate the efficacy of electronic surveys relative to traditional, printed surveys we conduct two levels of analysis. On a macro-level, we compare the two groups for similarity in terms of fairly aggregate, coarse data characteristics such as response rates, proportion of missing data, scale means and inter-item reliability. On a more fine-grained, micro-level, we compare the two groups for aspects of data integrity such as the presence of data runs and measurement errors. This deeper, finer-grained analysis allows an examination of the potential benefits and flaws of electronic data collection. Our findings suggest that electronic surveys are generally comparable to print surveys in most respects, but that there are a few key advantages and challenges that researchers should evaluate. Notably, our sample indicates that electronic surveys have fewer missing responses and can be coded/presented in a more flexible manner (namely, contingent coding with different respondents receiving different questions depending on the response to earlier questions) that offers researchers new capabilities. (c) 2002 Elsevier Science B.V. All rights reserved.

English Descriptors: Electronic surveys; Theory; Internet; Purchasing; Data acquisition; Surveys; Measurement errors; Electronic data interchange; Signal encoding; Reliability; Operations research

French Descriptors: Theorie; Internet; Acquisition titre onereux; Saisie

? t /3,k/all

17/3,K/1 (Item 1 from file: 2) [Links](#)

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INSPEC

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06606009 **INSPEC Abstract Number:** B9707-6250G-027, C9707-7410F-061

Title: RTU (receiver test unit) for Koreasat digital DBS system

Author Jin-Ho Kim; Dong-Hee Nan; Nak-Sun Seong; Kyu-Tae Yang

Author Affiliation: Satellite Broadcasting Section, ETRI, Taejeon, South Korea

Journal: IEEE Transactions on Consumer Electronics vol.43, no.2 p. 240-6

Publisher: IEEE ,

Publication Date: May 1997 **Country of Publication:** USA

CODEN: ITCEDA **ISSN:** 0098-3063

SICI: 0098-3063(199705)43:2L:240:RTUK;1-D

Material Identity Number: I273-97003

U.S. Copyright Clearance Center Code: 0098-3063/97/\$10.00

Language: English

Subfile: B C

Copyright 1997, IEE

Abstract: ...devices for DVB and MPEG based processing. Various external interfaces are used for testing Koreasat digital DBS signal. A task-based software was adopted for flexibility to add/remove more functions. 12 software tasks communicate with each other by passing mail messages with pre-defined formats on a real time multi-tasking OS.

17/3,K/2 (Item 2 from file: 2) [Links](#)

INSPEC

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06456842 **INSPEC Abstract Number:** B9702-0170N-004, C9702-1210B-002

Title: An inspection strategy for randomly failing machine to guarantee robust schedules

Author Chelbi, A.; Ait-Kadi, D.; Ramudhin, A.

Author Affiliation: Dept. of Mech. Eng., Laval Univ., Que., Canada

Conference Title: Proceedings. 1996 IEEE Conference on Emerging Technologies and Factory Automation. EFTA '96 (Cat. No.96TH8238) **Part** vol.1 p. 248-53 vol.1

Publisher: IEEE, New York, NY, USA

Publication Date: 1996 **Country of Publication:** USA 2 vol. xiii+787 pp.

ISBN: 0 7803 3685 2 **Material Identity Number:** XX96-03515

U.S. Copyright Clearance Center Code: 0 7803 3685 2/96/\$5.00

Conference Title: Proceedings 1996 IEEE Conference on Emerging Technologies and Factory Automation. ETFA '96

Conference Sponsor: IEEE Ind. Electron. Soc.; Soc. Instrum. & Control Eng. Japan

Conference Date: 18-21 Nov. 1996 **Conference Location:** Kauai, HI, USA

Language: English

Subfile: B C

Copyright 1996, IEE

Abstract: ...the inspection sequence which insures a certain machine availability level. In cases where the inspection period is **predetermined** due to limited resources, the **computer program determines** the maximum job arrival rate not to be exceeded in order to guarantee a minimum required machine availability level. Numerical ...

17/3,K/3 (Item 3 from file: 2) [Links](#)

INSPEC

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06390878 **INSPEC Abstract Number:** B9611-7230C-018, C9611-7410H-045

Title: A high-contrast random access photo-diode array spectroscopy system

Author Strasilla, U.; Tran, Y.

Author Affiliation: Dept. of Electr. Eng., San Jose State Univ., CA, USA

Conference Title: Proceedings of the IASTED International Conference, Systems and Control '94 p. 46-9

Editor(s): Hamza, M.H.

Publisher: IASTED , Anaheim, CA, USA

Publication Date: 1994 **Country of Publication:** USA 180 pp.

ISBN: 0 88986 198 6 **Material Identity Number:** XX95-01475

Conference Title: Proceedings IASTED/ISMM Symposium Systems and Control

Conference Sponsor: IASTED

Conference Date: 20-22 June 1994 **Conference Location:** Lugano, Switzerland

Language: English

Subfile: B C

Copyright 1996, IEE

Abstract: ...maximize its sensitivity. This paper describes how the Reticon array has been combined with a **data** translation A/D **computer** interface board DT 2812 and an IBM PC in order to generate a spectroscopy system...
...depending on a particular spectral sample. The system scans each diode sequentially using initially a **predetermined** integration **time** . If the light level on a particular diode is too low, then the algorithm increases...

Identifiers: ...high-contrast optical spectrum **measurement**; ... **data** translation A/D **computer** interface board

17/3,K/4 (Item 4 from file: 2) [Links](#)

Fulltext available through: [ScienceDirect \(Elsevier\)](#) [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)
INSPEC

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05349551 **INSPEC Abstract Number:** B9304-7210B-001, C9304-7410H-002

Title: Advanced digital instrumentation for partial-discharge measurement

Author Karady, G.G.; Oliva, J.R.; Domitz, S.; Meketa, R.

Author Affiliation: Dept. of Electr. Eng., Arizona State Univ., Tempe, AZ, USA

Journal: Electric Power Systems Research vol.25, no.3 p. 191-8

Publication Date: Dec. 1992 **Country of Publication:** Switzerland

CODEN: EPSRDN **ISSN:** 0378-7796

U.S. Copyright Clearance Center Code: 0378-7796/92/\$5.00

Language: English

Subfile: B C

Title: Advanced digital instrumentation for partial-discharge measurement

Abstract: ...tested in the laboratory in long duration tests on dielectric materials and capacitors. The system measures each current pulse generated by partial discharge during a predetermined time. The pulses are digitized by a 200 megasample/s real-time waveform digitizer and stored in a fast memory unit. The data obtained are transferred to a personal computer for analysis. This system records a large number of pulses without dead time and produces...

Descriptors: charge measurement;

17/3,K/5 (Item 5 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)

INSPEC

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04842075 **INSPEC Abstract Number:** A91039194, B91021582, C91024811

Title: A computer-controlled 36-channel time domain reflectometry system for monitoring soil water contents

Author Heimovaara, T.J.; Bouten, W.

Author Affiliation: Lab. of Phys. Geog. & Soil Sci., Amsterdam Univ., Netherlands

Journal: Water Resources Research vol.26, no.10 p. 2311-16

Publication Date: Oct. 1990 **Country of Publication:** USA

CODEN: WRERAQ **ISSN:** 0043-1397

U.S. Copyright Clearance Center Code: 0043-1397/90/90WR-01239\$05.00

Language: English

Subfile: A B C

Abstract: ...soil water has long been impeded by the lack of an automated technique for the **measurement** of soil water **content**. A **computer** controlled time domain reflectometry (TDR) system is described which gives the possibility of making a large number of **measurements** at different sites at **predetermined time** intervals. The developed system operates on 12 V DC and has the capability to monitor water contents at 36 sites. The algorithm used for the automatic analysis of the **measurements** is also presented. It is based on the calculation of the travel time of the...

Descriptors: ...moisture **measurement**;

Identifiers: ...electrical **measurement**; ... **measurement**;

17/3,K/6 (Item 6 from file: 2) [Links](#)

Fulltext available through: [Institute of Electrical and Electronics Engineers](#) [USPTO Full Text Retrieval Options](#)
[SCIENCEDIRECT](#)
INSPEC

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04456888 **INSPEC Abstract Number:** B89064404

Title: Performance analysis of both hybrid and frequency-hopped phase-coherent spread-spectrum systems. I.
A hybrid DS/FH system

Author Cherubini, G.; Milstein, L.B.

Author Affiliation: California Univ., San Diego, La Jolla, CA, USA

Journal: IEEE Transactions on Communications vol.37, no.6 p. 600-11

Publication Date: June 1989 **Country of Publication:** USA

CODEN: IECMBT **ISSN:** 0090-6778

U.S. Copyright Clearance Center Code: 0090-6778/89/0600-0600\$01.00

Language: English

Subfile: B

Abstract: ...a model for both hybrid and frequency-hopped spread-spectrum systems in which a fully **digital** coherent receiver is used to demodulate the **data**. A receiver for a hybrid DS/FH (direct-sequence/frequency-hopped) system using a digital... modeled as an ergodic Markov chain with a finite-state set, and the probability density **function** of the steady-state **tracking** error is evaluated. When there is a frequency uncertainty, the dynamics of the resulting nonstationary... error can be obtained, and an expression to evaluate the probability distribution of the first **time** at which the phase error hits **predetermined** boundary **values** is derived. Bit error **rate** performance is **determined** in the presence of both additive white Gaussian noise and various types of interference, and...

17/3,K/7 (Item 7 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)
INSPEC

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04151065 **INSPEC Abstract Number:** B88038651

Title: Predetermined time pulses from 5 ns duration. A module generates precise delay times for test purposes

Author Barrow, J.; Hilton, C.

Journal: Elektronik vol.37, no.1 p. 39-42

Publication Date: 8 Jan. 1988 **Country of Publication:** West Germany

CODEN: EKRKAR **ISSN:** 0013-5658

Language: German

Subfile: B

Title: Predetermined time pulses from 5 ns duration. A module generates precise delay times for test purposes

Abstract: The authors present a description and applications of a digital -to-time (DTC) converter, AD9500, programmable as a high-speed counter by a digital code word, changeable after the measurement of the delay in the signal path and calibrated accordingly. An essential part of the...

17/3,K/8 (Item 8 from file: 2) [Links](#)

INSPEC

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03534624 **INSPEC Abstract Number:** B85057734

Title: New electronic metering for medium voltage customers

Author Assailly, P.; Bergerot, J.; Denoble, R.

Author Affiliation: Electr. de France, Paris, France

Conference Title: CIRED 1985. 8th International Conference on Electricity Distribution (Conf. Publ. No.250) p. 251-5

Publisher: IEE , London, UK

Publication Date: 1985 **Country of Publication:** UK xvi+471 pp.

Conference Sponsor: IEE

Conference Date: 20-24 May 1985 **Conference Location:** Brighton, UK

Language: English

Subfile: B

Abstract: ...with medium voltage customers of Electricite de France as from the end of 1985. This **data** communication equipment is entirely **electronic** and can be read centrally through the switched telephone network. Every month these new **meters** generate a certain number of **parameters** permitting the preparation of bills. Among these **parameters** is the **measurement** of the active and reactive power in **time** segments **predetermined** daily in a calendar memory, and the calculation of formulae for subscribed power overruns in...

17/3,K/9 (Item 9 from file: 2) [Links](#)

INSPEC

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03407543 **INSPEC Abstract Number:** C85017074

Title: Micro-computer based planning and control technique for construction

Author Jackson, C.J.

University: Univ. Nottingham, UK

Dissertation Date: Dec. 1983

Country of Publication: UK

Language: English

Subfile: C

Abstract: ...represent construction projects and the development of a new 'function model'. This is based on **predefined**, generally applicable, work categories against which resource **time** can be allocated and for which a quantity of work completed may be **determined** by **measurement**. The model and its use in the collection and analysis of site data are described... ..number of sites in the North-East of England. The design of the system, the **computer program** itself, the problems encountered on site and the results of the trial implementation are described...

Identifiers: ...**computer program**;

17/3,K/10 (Item 10 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)

INSPEC

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03306859 **INSPEC Abstract Number:** A84089786, B84049478.

Title: An electrostatic precipitator for the study of airborne radioactivity

Author Andrews, L.L.; Schery, S.D.; Wilkening, M.H.

Author Affiliation: Dept. of Phys. & Geophys. Res. Center, New Mexico Inst. of Mining & Technol., Socorro, NM, USA

Journal: Health Physics vol.46, no.4 p. 801-8

Publication Date: April 1984 **Country of Publication:** UK

CODEN: HLTPAO **ISSN:** 0017-9078

U.S. Copyright Clearance Center Code: 0017-9078/84\$3.00+.00

Language: English

Subfile: A B

Abstract: A system has been developed to **measure** airborne radioactivity using electrostatic precipitation for collection and alpha -particle spectroscopy for detection. Features include... ..52- and 122-KeV, respectively, using 1.2-cm/sup 2/ area detector) and versatile **computer** control for collection, counting and **data** reduction. Aerosols bearing the radioactive atoms are deposited on a foil tape by electrostatic precipitation for a **predetermined time** after which the foil is moved under a solid-state detector to count the alpha...

Descriptors: ...alpha-particle detection and **measurement**;

17/3,K/11 (Item 11 from file: 2) [Links](#)

INSPEC

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03278796 **INSPEC Abstract Number:** A84075473

Title: A technique for implanting dopant distributions in solids

Author McGruer, J.N.; Croft, D.S.; Irwin, R.B.; Rable, J.A.; Sheehan, J.H.; Choyke, W.J.; Doyle, N.J.

Author Affiliation: Univ. of Pittsburg, Pittsburgh, PA, USA

Conference Title: Ion Implantation: Equipment and Techniques. Proceedings of the Fourth International Conference
p. 189-95

Editor(s): Ryssel, H.; Glawischnig, H.

Publisher: Springer-Verlag, Berlin, West Germany

Publication Date: 1983 **Country of Publication:** West Germany x+556 pp.

ISBN: 3 540 12491 8

Conference Date: 13-17 Sept. 1982 **Conference Location:** Berchtesgaden, West Germany

Language: English

Subfile: A

Abstract: ...of obtaining a wide variety of distributions in depth of implants is described. The depth, **measured** normal to the surface, of the implanted species can be varied by changing the angle... ..the incident beam direction. A given dopant distribution can be obtained by implanting for a **predetermined time** or accumulated charge at a large number of incident beam angles. **Computer programs** are reported which calculate the waiting times, plot the theoretical dopant distribution, and drive a...

17/3,K/12 (Item 12 from file: 2) [Links](#)

INSPEC

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03224617 **INSPEC Abstract Number:** B84021736

Title: Two-way communication through satellite systems

Author Aarskog, A.I.

Author Affiliation: Electronics Res. Lab., Norwegian Inst. of Technol., Trondheim, Norway

Conference Title: Signal Processing II: Theories and Applications. Proceedings of EUSIPCO-83 Second European Signal Processing Conference p. 555-8

Editor(s): Schussler, H.W.

Publisher: North-Holland, Amsterdam, Netherlands

Publication Date: 1983 **Country of Publication:** Netherlands xvii+857 pp.

ISBN: 0 444 86743 0

Conference Sponsor: IEEE

Conference Date: 12-16 Sept. 1983 **Conference Location:** Erlangen, West Germany

Language: English

Subfile: B

Abstract: ...link channel capacity without reducing the quality. Three different two-way satellite channels for continuous-time signals are presented. Using a **predefined** efficiency **measure**, these channels are analysed and compared. One of them **shows** maximum efficiency, i.e. it requires only half the down-link power and bandwidth compared to the traditional two...

17/3,K/13 (Item 13 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)
INSPEC

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02970491 **INSPEC Abstract Number:** B83004872, C83003059

Title: Simulating central battery storage using a levelized incremental cost method

Author Sullivan, R.L.

Author Affiliation: Dept. of Electrical Engng., Univ. of Florida, Gainesville, FL, USA

Journal: IEEE Transactions on Power Apparatus and Systems vol.PAS-101, no.9 p. 3322-7

Publication Date: Sept. 1982 **Country of Publication:** USA

CODEN: IEPSA9 **ISSN:** 0018-9510

Language: English

Subfile: A B C

Abstract: This paper describes a methodology for including central battery storage in hourly production simulation **computer programs**. As such, these simulation tools calculate detailed production statistics by modeling the hour by hour... ..the production credits associated with the storage technologies. These credits can then be used to **value** central storage by **determining** the present worth production costs with and without storage over the planning horizon. The methodology... ..and central storage in a way that levelizes the incremental cost of production over a **predefined** interval of **time**.

Identifiers: ...hourly production simulation **computer programs**;

17/3,K/14 (Item 14 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)
INSPEC

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02644550 INSPEC Abstract Number: C81009197

Title: New software program aids work measurement of clerical operations

Author Towne, D.M.

Journal: Industrial Engineering vol.12, no.8 p. 64-9

Publication Date: Aug. 1980 **Country of Publication:** USA

CODEN: IDLEB9 **ISSN:** 0019-8234

Language: English

Subfile: C

Title: New software program aids work measurement of clerical operations

Abstract: The Automated Data Application and Maintenance (ADAM) computer program was designed to reduce the time, effort and training required to apply predetermined elemental time systems and to maintain the data elements so created. ADAM may be thought of as...

Identifiers: work measurement of clerical operations... ...computer program;

17/3,K/15 (Item 15 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)
INSPEC

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02550798 **INSPEC Abstract Number:** B80037034, C80023073

Title: Capacitance measurement with the KIM-1

Author Mezger, K.

Journal: Funkschau vol.51, no.12 p. 715-16

Publication Date: 8 June 1979 **Country of Publication:** West Germany

CODEN: FUSHA2 **ISSN:** 0016-2841

Language: German

Subfile: B C

Title: Capacitance measurement with the KIM-1

Abstract: Capacitance between 10 pF and 999 microfarads can be measured and the result displayed to four significant figures, in five measuring ranges by the method... ..time taken to reach this voltage: should the voltage (charge) not be reached in the predetermined time the process is repeated with an increased charging current, the whole procedure being programmed by the KIM-1 computer.

Descriptors: capacitance measurement;

Identifiers: capacitance measurement;

17/3,K/16 (Item 16 from file: 2) [Links](#)

INSPEC

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02017534 **INSPEC Abstract Number:** C77006711

Title: Analysis of transient data using hybrid techniques

Author Pobanz, N.E.

Author Affiliation: Bechtel Inc., San Francisco, CA, USA

Conference Title: 1975 Winter Computer Simulation Conference p. 447-50

Publisher: Soc. Computer Simulations, La Jolla, CA, USA

Publication Date: 1976 **Country of Publication:** USA xii+794 pp.

Conference Sponsor: Soc. Computer Simulation

Conference Date: 18-19 Dec. 1975 **Conference Location:** Sacramento, CA, USA

Language: English

Subfile: C

Abstract: ...determine when the data is to be analyzed, and to reduce the data into a **predetermined** form during the **period** of interest. The **digital** processor accepts the reduced **data** from the analog processor, formats it to a standard form, and outputs the resultant on...

Descriptors: acceleration **measurement**;hybrid **computer programming**;

17/3,K/17 (Item 17 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)
INSPEC

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01972937 **INSPEC Abstract Number:** C76027302

Title: A computerized approach for assigning worker skills to task requirements

Author Raouf, A.; Manney, W.

Author Affiliation: Dept. of Industrial Engng., Univ. of Windsor, Windsor, Ont., Canada

Journal: Kybernetes vol.5, no.1 p. 3-14

Publication Date: 1976 **Country of Publication:** UK

CODEN: KBNTA3 **ISSN:** 0368-492X

Language: English

Subfile: C

Abstract: Psychologists have developed many **measures** of human skills. Industrial engineers and others concerned with the prediction of human performance have developed **predetermined** motion **time** systems. Well tested skill tests, i.e., eye-hand coordination, finger dexterity; decision making, etc... ..total of thirty-two job requirements), have resulted in a general scheme of scoring. A **computer program** has been developed to match the worker capabilities to the task requirements. It is hoped...

Identifiers: ...predetermined motion **time** systems

17/3,K/18 (Item 18 from file: 2) [Links](#)

INSPEC

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01771668 **INSPEC Abstract Number:** C75013476

Title: Control system and method for ball mill and spiral classifier in closed circuit

Inventor Rutman, R.E.

Assignee Westinghouse Electric Corp

Patent Number: US 3860804 **Issue Date:** 750114

Application Date: 720421

Country of Publication: USA

Language: English

Subfile: C

Abstract: ...the actual supply of new ore material to said ball mill grinding device. 3) stored **program** control **computer** means for **determining** the recycle **rate** of ore material from said spiral classifier to said ball mill grinding device in relation... ..supply of new ore material to said ball mill grinding device for said one iteration **period** in accordance with a **predetermined** relationship including said actual supply of new ore material and said recycle rate of ore...

17/3,K/19 (Item 19 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)
INSPEC

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01739086 **INSPEC Abstract Number:** A75022909, B75010291, C75006222

Title: An ocean-bottom seismometer capsule

Author Prothero, W.A., Jr.

Author Affiliation: Univ. California, San Diego, La Jolla, CA, USA

Journal: Bulletin of the Seismological Society of America vol.64, no.4 p. 1251-62

Publication Date: Aug. 1974 **Country of Publication:** USA

CODEN: BSSAAP **ISSN:** 0037-1106

Language: English

Subfile: A B C

Abstract: ...of the seismometer is continuously digitized at 64, 128, or 256 samples per second. The **digital data** is mixed with a time code and passed through a 256 sample shift register which... the same recorder for playback and a decoder which provides an analog output for field **data** interpretation or a **digital** output for **computer** analysis. The capsule itself falls freely to the ocean bottom. After a **predetermined time** it is released from a 150-lb steel tripod and floats to the surface. A... explosive bolt system provides a high recovery reliability. A number of seismic events have been **measured** in field tests and the system has proven to be extremely simple to check out...

17/3,K/20 (Item 20 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)

INSPEC

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01594965 **INSPEC Abstract Number:** A74005221, B74004050, C74002911

Title: Mass spectrometry of uranium and plutonium isotopic analysis used together with a mini-computer

Author Sato, H.; Asakura, Y.; Kagami, K.; Kamata, M.

Author Affiliation: Power Reactor and Nuclear Fuel Dev. Corp., Ibaraki, Japan

Journal: Mass Spectroscopy vol.21, no.2 p. 187-93

Publication Date: June 1973 **Country of Publication:** Japan

CODEN: SHIBAK **ISSN:** 0542-8645

Language: Japanese

Subfile: A C

Abstract: ...mini-computer system specifically designed for a surface ionization instrument capable of precise isotopic abundance **measurements** of uranium and plutonium is described. The system consists of five parts; Analog-Digital-Converter (A.D.C.), mini-computer (4k), teletype, and two mass spectrometers. The **data** consisted of the A.D.C. voltage level from a vibrating reed electrometer which was... ..number of four figure scalars. This output was fed into a scalar gated for a **predetermined time**. The counts in the scalar were then proportional to the voltage level for any given...

Identifiers: ...isotopic abundance **measurements**;

17/3,K/21 (Item 21 from file: 2) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)
INSPEC

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01497323 **INSPEC Abstract Number:** B73013905

Title: A digital receiver for pulse duration telemetry

Author Sankaranarayanan, P.E.; Roy, S.

Author Affiliation: Nat. aeronaut. Lab., Bangalore, India

Journal: Electro-Technology vol.15, no.2 p. 49-56

Publication Date: March-April 1971 **Country of Publication:** India

CODEN: ELTEAQ **ISSN:** 0013-4643

Language: English

Subfile: B

Abstract: In pulse Duration Telemetry, the data to be transmitted are used to vary the time **duration** of a series of pulses in some **predetermined** manner. Although analogue type receivers are available, it is felt that a direct digital **measurement** of the pulse duration will facilitate automatic processing of the **data** with **digital computers**. Two circuits that have been developed for this purpose, are discussed in this note. The...

17/3,K/22 (Item 22 from file: 2) [Links](#)

Fulltext available through: [Ebsco Host EJS \(Electronic Journals Service\)](#) [USPTO Full Text Retrieval Options](#)
[SCIENCEDIRECT](#)

INSPEC

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01211054 **INSPEC Abstract Number:** A70075403, B71002947, C71001280

Title: An automated atomic absorption spectrophotometer for the acquisition of thermodynamic data

Author Rapperport, E.J.; Pemsler, J.P.; Adler, E.

Author Affiliation: Kennecott Copper Corp., Lexington, MA, USA

Journal: Review of Scientific Instruments vol.41, no.8 p. 1168-71

Publication Date: Aug. 1970 **Country of Publication:** USA

CODEN: RSINAK **ISSN:** 0034-6748

Language: English

Subfile: A B C

Abstract: An atomic absorption spectrophotometer has been constructed to provide automated **measurement** of elemental vapor pressure changes with temperature. Three alloy-containing absorption cells and a blank... position each cell sequentially on the spectrophotometer optic axis, while the furnace independently follows a **predetermined time** -temperature profile. **Measurements** of spectral intensities and thermocouple outputs are recorded at selected intervals and are printed and punched on paper tape. Subsequent **computer** processing of the punched **data** yields values of thermodynamic activities and partial molar enthalpies and entropies of the alloy constituents.

Descriptors: ...thermal variables **measurement**;

17/3,K/23 (Item 23 from file: 2) Links

INSPEC

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0000880582 **INSPEC Abstract Number:** 1967C01313

Title: An automated telemetry checkout station for the saturn V systems

Author George, W.V.; Stinson, C.A.

Journal: IEEE Transactions on Communication Technology COM-14 6 p. 869-871

Publication Date: Dec. 1966 **Country of Publication:** USA

Language: English

Subfile: B C

Copyright 2004, IEE

Abstract: This Telemetry Checkout Station (TCS) is designed to automatically perform many **measurements** on the Saturn V vehicle telemetry links. Its unique features include real-time digitizing and **computer**-controlled station set-up, **data** processing, and self-check. Standard telemetry equipment is used to receive, demodulate, and process the various signals. Analog signals are automatically digitized and assembled into a **predetermined time** slot. Each word of the constructed wave train is scaled and calibrated, using stored calibration... ..equipment for final evaluation. This station handles many various automatic tests merely by changing its **computer programs**.

17/3,K/24 (Item 1 from file: 144) Links

Pascal

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13632508 PASCAL No.: 98-0338688

New verification method using virtual system states for responsive communication protocols and its application to a broadcasting protocol

NAGANO S I; KAKUDA Y; KIKUNO T
Osaka Univ, Toyonaka-shi, Japan
Journal: IEICE Transactions on Fundamentals of Electronics,
Communications and Computer Sciences, 1998
, v E81-A (4) 596-603

Language: English

... communication protocols is to determine whether they can recover to a normal state within a **predetermined time**, even when they enter an abnormal state due to any fault. In this paper, we...

... based on the proposed method. Then we apply the tool to a broadcasting protocol and **measure** several metrics on the tool. The experimental results show that (1) the number of system...

English Descriptors: Virtual system states; Theory; Fault tolerant **computer** systems; **Computer** system recovery; Storage allocation (**computer**); **Data** communication systems; Network protocols

17/3,K/25 (Item 2 from file: 144) Links

Pascal

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13421696 PASCAL No.: 98-0115281

A feasibility study of automated inverse treatment planning for cancer of the prostate

REINSTEIN L E; WANG X H; BURMAN C M; CHEN Z; MOHAN R; KUTCHER G; LEIBEL S A; FUKS Z

Department of Radiation Oncology, SUNY at Stony Brook, Stony Brook, NY, United States; Department of Medical Physics, Memorial Sloan Kettering Cancer Center, New York, NY, United States; Department of Radiation Oncology, Memorial Sloan Kettering Cancer Center, New York, NY, United States

Journal: International journal of radiation oncology, biology, physics, 1998, 40

(1) 207-214

Language: English

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... conformal treatment of cancer of the prostate. The purpose of this feasibility study was to **determine** a single **set** of inverse-planning **parameters** that can be used for a variety of different prostate patient geometries to automatically generate...

...to be a promising technique for the treatment of prostate cancer to high doses. We **determined** a small **set** of inverse-planning **parameter values** that was able to automatically design intensity-modulated radiotherapy (IMRT) plans for a subset of...

... Gy using BEV planning techniques. With one minor exception, the resulting plans succeeded in meeting **predetermined** dose-volume constraints while at the same **time** allowing an increase in the mean dose and D90 to the prostate PTV. These 8...

... femoral heads. This automated technique is efficient in terms of planning effort and, with proper **software** for **computer**-controlled MLC, may be appropriate for clinical use. The clinical feasibility of this approach for...

English Descriptors: Malignant tumor; Prostate; Human; Treatment planning; Feasibility; Automatic system; **Parameter estimation**; Technique; Conformal radiotherapy; Inverse; Optimization

17/3,K/26 (Item 3 from file: 144) Links

Pascal

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13146659 PASCAL No.: 97-0406663

RTU (receiver test unit) for Koreasat digital DBS System

KIM J H; HAN D H; SEONG N S; YANG K T

Satellite Broadcasting Section, ETRI (Electronics and Telecommunications Research Institute), Taejeon, Korea, Republic of

Journal: IEEE transactions on consumer electronics

, 1997, 43 (2

) 240-246

Language: English

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...devices for DVB and MPEG based processing. Various external interfaces are used for testing Koreasat **digital** DBS signal. A task-based **software** was adopted for flexibility to **add/remove** more **functions**. 12 software tasks are communicating with each other by passing mail messages with **pre-defined** formats on a real **time** multi-tasking OS.

17/3,K/27 (Item 4 from file: 144) Links

Pascal

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12953823 PASCAL No.: 97-0229414

A model of fluid, erythrocyte, and solute transport in the lung

ROSELLI R J; TACK G; HARRIS T R

Department of Biomedical Engineering, Vanderbilt University, School of Engineering, Nashville, TN, United States

Journal: Annals of biomedical engineering,
1997, 25 (1)
46-61

Language: English

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... and concentration of up to 12 solutes and tracers can be computed in each compartment. **Computer** code is written in the C **programming** language, with Microsoft Excel serving as a user interface. Implementation is currently on PC-486 microcomputer systems, but the core **program** can easily be moved to other **computer** systems. The user can select different models for the blood-interstitial barrier (e.g., multiple...

... lymph barrier characteristics. Each model parameter or a combination of parameters can be altered with **time** in a **predetermined** fashion. The model is particularly useful in interpreting lung experimental data where simultaneous changes occur...

English Descriptors: Mathematical model; Solute effect; Fluid dynamics; Red blood cell; Transport process; Respiratory system; Microcirculation; Pressure **measurement**; Volume **measurement**; Hematocrite; Hemodynamics; Concentration **measurement**; Lung; **Parameter estimation**

17/3,K/28 (Item 5 from file: 144) Links

Pascal

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12875701 PASCAL No.: 97-0136389

On the use of counters for reproducing deterministic test sets

KAGARIS D; TRAGOUDAS S; MAJUMDAR A

Electrical Engineering Department, Southern Illinois University,
Carbondale, IL 62901, United States; Computer Science Department, Southern
Illinois University, Carbondale, IL 62901, United States; Sunrise Test
Systems, Inc., 47211 Lakeview Blvd., Fremont, CA 94538, United States

Journal: IEEE transactions on computers,
1996, 45 (12)
1405-1419

Language: English

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We propose a very simple and fast CAD tool to check whether a binary
counter can reproduce a **predetermined set** of test
patterns in a reasonable **time**. Given a test matrix T; the tool uses
column merging, complementation, and permutation so that...

English Descriptors: Testing; **Digital** circuits; **Software** tool
; Deterministic approach; Code generation; Permutation; Matrix calculus

...French Descriptors: logiciel; Approche deterministe; Generation code;
Permutation; Calcul matriciel; Built in self test; Test pattern
generation; **Deterministic test set**; Binary **counter**;
Binary matrix column permutation

20/3,K/1 (Item 1 from file: 2) [Links](#)

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[Options](#) [SCIENCEDIRECT](#)
INSPEC

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08214008 **INSPEC Abstract Number:** B2002-04-6135-380, C2002-04-5260B-480

Title: An efficient low-bit rate adaptive mesh-based motion compensation technique

Author Mahmoud, H.A.; Bayoumi, M.A.

Author Affiliation: Center for Adv. Comput. Studies, Louisiana Univ., Lafayette, LA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering **Conference Title:** Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.4388 p. 143-51

Publisher: SPIE-Int. Soc. Opt. Eng ,

Publication Date: 2001 **Country of Publication:** USA

CODEN: PSISDG **ISSN:** 0277-786X

SICI: 0277-786X(2001)4388L:143:ERAM;1-G

Material Identity Number: C574-2001-308

U.S. Copyright Clearance Center Code: 0277-786X/01/\$15.00

Conference Title: Visual Information Processing X

Conference Sponsor: SPIE

Conference Date: 19-20 April 2001 **Conference Location:** Orlando, FL, USA

Language: English

Subfile: B C

Copyright 2002, IEE

Title: An efficient low-bit rate adaptive mesh-based motion compensation technique

Abstract: ...block-based motion estimation technique and an active mesh model. In the first stage, motion parameters are estimated by fitting block-based motion vectors computed using a new efficient quadtree technique, that divides... same motion vector. In the second stage, the mesh is constructed using an adaptive triangulation procedure that places more triangles over areas with high motion content, these areas are estimated during the first stage. Finally the motion compensation is achieved by using a novel algorithm that is carried by both the encoder and the decoder to determine the optimal triangulation of the resultant partitions followed by affine mapping at the encoder. Computer simulation results show that the proposed method gives better performance than the conventional ones in terms of the...

Identifiers: low-bit rate adaptive mesh-based motion compensation...

20/3,K/2 (Item 2 from file: 2) Links

INSPEC

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08005757 **INSPEC Abstract Number:** B2001-09-6135C-301, C2001-09-5260D-157

Title: An efficient low-bit rate adaptive mesh-based motion compensation technique

Author Mahmoud, H.A.; Bayoumi, M.A.

Author Affiliation: Center for Adv. Comput. Studies, Louisiana Univ., Lafayette, LA, USA

Conference Title: Proceedings Second International Workshop on Digital and Computational Video p. 164-72

Editor(s): Jain, V.K.; McWaters, M.M.; Kunt, M.

Publisher: IEEE Comput. Soc., Los Alamitos, CA, USA

Publication Date: 2001 **Country of Publication:** USA x+209 pp.

ISBN: 0 7695 1110 4 **Material Identity Number:** XX-2001-01267

U.S. Copyright Clearance Center Code: 0 7695 1110 4/2001/\$10.00

Conference Title: Proceedings Second International Workshop on Digital and Computational Video

Conference Sponsor: Center for Digital & Comput. Video; Univ. South Florida

Conference Date: 8-9 Feb. 2001 **Conference Location:** Tampa, FL, USA

Language: English

Subfile: B C

Copyright 2001, IEE

Title: An efficient low-bit rate adaptive mesh-based motion compensation technique

Abstract: ...block-based motion estimation technique and an active mesh model. In the first stage, motion parameters are estimated by fitting block-based motion vectors computed using a new efficient quadtree technique, that divides... same motion vector. In the second stage, the mesh is constructed using an adaptive triangulation procedure that places more triangles over areas with high motion content, these areas are estimated during the first stage. Finally the motion compensation is achieved by using a novel algorithm that is carried by both the encoder and the decoder to determine the optimal triangulation of the resultant partitions followed by affine mapping at the encoder. Computer simulation results show that the proposed method gives better performance than the conventional ones in terms of the...

Descriptors: ...parameter estimation;

Identifiers: low-bit-rate motion compensation... parameter estimation; ... adaptive triangulation procedure;

20/3,K/3 (Item 3 from file: 2) [Links](#)

INSPEC

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07939708 **INSPEC Abstract Number:** B2001-07-6135-063, C2001-07-5260D-020

Title: An efficient low-bit rate adaptive mesh-based motion compensation technique

Author Mahmoud, H.A.; Bayoumi, M.

Author Affiliation: Center for Adv. Comput. Studies, Louisiana Univ., Lafayette, LA, USA

Conference Title: ICECS 2000. 7th IEEE International Conference on Electronics, Circuits and Systems (Cat. No.00EX445) **Part** vol.1 p. 491-4 vol.1

Publisher: IEEE , Piscataway, NJ, USA

Publication Date: 2000 **Country of Publication:** USA 2 vol.xxiv+1033 pp.

ISBN: 0 7803 6542 9 **Material Identity Number:** XX-2001-00377

U.S. Copyright Clearance Center Code: 0 7803 6542 9/2000/\$10.00

Conference Title: ICECS 2000. 7th IEEE International Conference on Electronics, Circuits and Systems

Conference Sponsor: IEEE CAS Soc.; Nat. Council for Sci. Res., Lebanon; American Univ. Beirut, Lebanon; Comput. Inf. Syst., Lebanon; IEEE LAU Student Branch; INDEVCO Group, Lebanon; Nortel Networks, Canada

Conference Date: 17-20 Dec. 2000 **Conference Location:** Jounieh, Lebanon

Language: English

Subfile: B C

Copyright 2001, IEE

Title: An efficient low-bit rate adaptive mesh-based motion compensation technique

Abstract: ...block-based motion estimation technique and an active mesh model. In the first stage, motion parameters are estimated by fitting block-based motion vectors computed using a new efficient quadtree technique, that divides... same motion vector. In the second stage, the mesh is constructed using an adaptive triangulation procedure that places more triangles over areas with high motion content; these areas are estimated during the first stage. Finally the motion compensation is achieved by using a novel algorithm that is carried by both the encoder and the decoder to determine the optimal triangulation of the resultant partitions followed by affine mapping at the encoder. Computer simulation results show that the proposed method gives better performance than the conventional ones in terms of the...

Identifiers: ...adaptive triangulation procedure;

20/3,K/4 (Item 4 from file: 2) [Links](#)

INSPEC

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07845782 **INSPEC Abstract Number:** B2001-03-6135C-118, C2001-03-5260D-056

Title: An efficient low-bit rate adaptive mesh-based motion compensation technique

Author Mahmoud, H.A.; Bayoumi, M.A.

Author Affiliation: Center for Adv. Comput. Studies, Louisiana Univ., Lafayette, LA, USA

Conference Title: 2000 IEEE Workshop on SiGNAL PROCESSING SYSTEMS. SiPS 2000. Design and Implementation (Cat. No.00TH8528) p. 139-48

Editor(s): Bayoumi, M.A.; Friedman, E.

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2000 **Country of Publication:** USA xv+836 pp.

ISBN: 0 7803 6488 0 **Material Identity Number:** XX-2000-02454

U.S. Copyright Clearance Center Code: 0 7803 6488 0/2000/\$10.00

Conference Title: 2000 IEEE Workshop on SiGNAL PROCESSING SYSTEMS. SiPS 2000. Design and Implementation

Conference Sponsor: IEEE Signal Process. Soc.; IEEE Circuits & Syst. Soc

Conference Date: 11-13 Oct. 2000 **Conference Location:** Lafayette, LA, USA

Language: English

Subfile: B C

Copyright 2001, IEE

Title: An efficient low-bit rate adaptive mesh-based motion compensation technique

Abstract: ...block-based motion estimation technique and an active mesh model. In the first stage, motion parameters are estimated by fitting block-based motion vectors computed using a new efficient quadtree technique, that divides... same motion vector. In the second stage, the mesh is constructed using an adaptive triangulation procedure that places more triangles over areas with high motion content, these areas are estimated during the first stage. Finally the motion compensation is achieved by using a novel algorithm that is carried by both the encoder and the decoder to determine the optimal triangulation of the resultant partitions followed by affine mapping at the encoder. Computer simulation results show that the proposed method gives better performance than the conventional ones in terms of the...

Identifiers: efficient low-bit rate motion compensation... algorithm;

20/3,K/5 (Item 5 from file: 2) Links

INSPEC

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07358325 **INSPEC Abstract Number:** A1999-20-0130C-078, B1999-10-0100-129, C1999-10-5260-056

Title: 1999 IEEE International Conference on Acoustics, Speech, and Signal Processing. Proceedings. ICASSP99 (Cat. No.99CH36258)

Part vol.1

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 1999 **Country of Publication:** USA 6 vol. (Ixxiii+3584) pp.

ISBN: 0 7803 5041 3 **Material Identity Number:** XX-1999-00739

U.S. Copyright Clearance Center Code: 99/\$10.00

Conference Title: 1999 IEEE International Conference on Acoustics, Speech, and Signal Processing. Proceedings. ICASSP99

Conference Sponsor: IEEE; Signal Process. Soc.

Conference Date: 15-19 March 1999 **Conference Location:** Phoenix, AZ, USA

Language: English

Subfile: A B C

Copyright 1999, IEE

Abstract: ...large vocabulary speech recognition; speech analysis; acoustic modelling; automatic speech recognition systems and applications; low **bit rate** speech coding; robust speech recognition in noisy environments; speaker recognition; speech production and synthesis; feature ... frequency analysis; time-scale analysis; signal modelling and representation; filterbanks; source and signal separation; fast **algorithms**; frequency and phase estimation; spectral analysis and higher order statistics; signal reconstruction; transforms and statistical estimation; Markov and Bayesian estimation and classification; system identification, equalisation and noise suppression; **parameter estimation**; DSP development tools; VLSI building blocks; DSP architectures and system design; education; signal sampling; steganography; information **embedding**, **digital** watermarking and **data** hiding; rapid prototyping; communication technology; automotive applications; industrial signal processing; defence and security applications; biomedical...

Descriptors: ...**parameter estimation**;

Identifiers: ...low **bit rate** speech coding... **fast algorithms**; ... **parameter estimation**;

20/3,K/6 (Item 6 from file: 2) [Links](#)

INSPEC

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04864258 **INSPEC Abstract Number:** B91027678, C91028751

Title: High-quality audio transform coding at 128 kbits/s

Author Davidson, G.; Fielder, L.; Antill, M.

Author Affiliation: Dolby Lab. Inc., San Francisco, CA, USA

Conference Title: ICASSP 90. 1990 International Conference on Acoustics, Speech and Signal Processing (Cat. No.90CH2847-2) p. 1117-20 vol.2

Publisher: IEEE, New York, NY, USA

Publication Date: 1990 **Country of Publication:** USA 5 vol. 2970 pp.

U.S. Copyright Clearance Center Code: CH2847-2/90/0000-1117\$01.00

Conference Sponsor: IEEE

Conference Date: 3-6 April 1990 **Conference Location:** Albuquerque, NM, USA

Language: English

Subfile: B C

Abstract: An approach to wideband **digital** audio compression of CD-quality signals at **data** rates of 128 kb/s channel and below is presented. A form of adaptive transform... a nonuniform frequency division and coding scheme to exploit known characteristics of human perception. The **algorithm** has low computational complexity and can be adapted for use at other **bit rates**. A windowed overlap-add **process** is used with the forward/inverse transforms, which have been efficiently implemented using FFTs. Transform... associated mantissas, which are then coded with an adaptive quantizer. A real-time, single-chip **programmable digital** signal processing (DSP) implementation **encodes** 480-kHz-sampled stereo audio signals at a variety of **bit rates**. At 128 kb/s, the coder's subjective performance is appropriate for highest-quality 15...

Identifiers: ...windowed overlap-add **process**;

20/3,K/7 (Item 1 from file: 144) Links

Pascal

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15490854 PASCAL No.: 02-0186044

Advanced prototype platform for a wireless multimedia local area network
Signal processing X : theories and applications : Tampere, 4-8 September
2000

TIKKANEN Kimmo; HAENNIKAEINEN Marko; HAEMAELAEINEN Timo;
SAARINEN Andjukka

GABBOUJ Moncef, ed; KUOSMANEN Paulti, ed
Digital and Computer Systems Laboratory, Tampere University of Technology
Hermiankatu 3 A, 33720 Tampere, Finland

European Association for Signal Processing, Unknown; Tampere University
of technology, Tampere, Finland

EUPSICO 2000 : European signal processing conference, 10 (Tampere FIN)
2000-09-04

2000 2309-2312

Publisher: TTKK-Paino, Tampere

Language: English

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... alone applications. Furthermore, various other designs can be tested,
for example hardware implementations of encryption **algorithms**. Both
the new and the old prototypes consist of a Digital Signal Processor (DSP),
external...

... platform, the new prototype contains more memory, a faster and larger
FPGA, and a higher **bit-rate** radio.

English Descriptors: Prototype; Platform; Wireless LAN; Multimedia;
Portability; Wireless telecommunication; Distance **measurement**;
Remote sensing; Service quality; System design; Access control; Access
protocol; Implementation; Cryptography; **Algorithm**; **Digital**
signal processor; Field **programmable** gate array; Documentary
server; Host **computer**; **Computer** peripheral; Interconnection
; **Encryption**

...French Descriptors: fil; Mesure de distance; Teledetection; Qualite
service; Conception systeme; Controle acces; Protocole acces;
Implementation; Cryptographie; **Algorithme**; Processeur signal
numerique; Reseau porte programmable; Serveur documentaire; Ordinateur
hote; Peripherique ordinateur; Interconnexion; Chiffrement

20/3,K/8 (Item 2 from file: 144) Links

Pascal

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15450420 PASCAL No.: 02-0143232

An efficient low-**bit rate** adaptive mesh-based motion compensation technique

Visual information processing X : Orlando FL, 19-20 April 2001

MAHMOUD Hanan A; BAYOUMI Magdy A.

PARK Stephen K, ed; RAHMAN Zia-ur, ed; SCHOWENGERDT Robert A, ed

The Center for Advanced Computer Studies (CACS), University of Louisiana, Lafayette, LA 70504-44330, United States

International Society for Optical Engineering, Bellingham WA, United States

Visual information processing. Conference, 10 (Orlando FL USA)
2001-04-19

Journal: SPIE proceedings series, 2001
, 4388 143-151

Language: English

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An efficient low-**bit rate** adaptive mesh-based motion compensation technique

... block-based motion estimation technique and an active mesh model. In the first stage, motion **parameters** are **estimated** by fitting block-based motion vectors computed using a new efficient quadtree technique, that divides...

... same motion vector. In the second stage, the mesh is constructed using an adaptive triangulation **procedure** that places more triangles over areas with high motion content, these areas are estimated during the first stage, finally the motion compensation is achieved by using a novel **algorithm** that is carried by both the encoder and the decoder to determine the optimal triangulation of the resultant partitions followed by affine mapping at the **encoder**. **Computer** simulation results **show** that the proposed method gives better performance than the conventional ones in terms of the...

English Descriptors: Image processing; Motion **estimation**;

Triangulation; Low **bit rate**; Quad tree

20/3,K/9 (Item 3 from file: 144) Links

Pascal

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14865477 PASCAL No.: 01-0011721

Constrained variable **bit rate** control **algorithm** for
MPEG-2 encoder

Image and video communications and processing 2000 : San Jose CA, 25-28
January 2000

DENGZHI ZHANG; CHOO Chang Y
VASUDEV Bhaskaran, ed; HSING T Russel, ed; TESCHER Andrew G, ed;
STEVENSON Robert L, ed
C-Cube Microsystems, Milpitas, CA 95035, United States; San Jose State
Univ., San Jose, CA 95192, United States
Image and video communications and processing. Conference (San Jose CA
USA) 2000-01-25
Journal: SPIE proceedings series, 2000
, 3974 133-143
Language: English

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Constrained variable **bit rate** control **algorithm** for
MPEG-2 encoder

The main objective of the variable **bit rate** (VBR) control
for a video encoder is to maintain the picture quality during compression.
Our constrained VBR control **algorithm** uses an external output buffer
level to feedback the encoder. This **algorithm** predicts the next
buffer level based on the current buffer level and the weighted average...

... scale is increased aggressively to guarantee that the buffer does not
overflow. This VBR encoder **algorithm** was implemented and compared
with the CBR encoder **algorithm**. Several simulation results show that
the VBR encoder provides better and more uniform picture quality than the
CBR encoder at the same **bit rate**. For a desired picture
quality, our VBR encoder can achieve more compression. If a network...

English Descriptors: Buffer system; **Encoding**; Image processing;
Quantifier; Overflow(**computer** arithmetics); Varying speed;
Bit error rate; **Data** compression; Feedback;
Constrained optimization; Video signals; Video techniques; Control
constraint; **Algorithms**; Simulation

...French Descriptors: bit; Compression donnee; Boucle reaction;
Optimisation sous contrainte; Signal video; Technique video; Contrainte
espace commande; **Algorithme**; Simulation; 0705P; 4230V